Ohio Labor Market Information

Labor Market Review

February 1990

Summary. Ohio's seasonally adjusted unemployment rate fell from 6.7 percent in January to 5.8 percent in February. The national rate was 5.3 percent for the ninth consecutive month. Total employment in Ohio increased 1,000 to 5,061,000, while total unemployment, at 311,000, declined 55,000. Nonagricultural wage and salary employment (seasonally adjusted) in Ohio rose 42,000 from January to 4,889,000 in February with gains reported in both goods-producing and service-producing industries. (See page 3.)

Goods-Producing Industries. The return of workers in the automobile industry helped to raise employment in goods-producing industries 28,000 from January to 1,340,000 in February. Recalls in fabricated metal products and primary metal industries also contributed to the increase. Overall, employment in durable-goods manufacturing industries rose 26,000 to 750,000. Nondurable-goods employment, at 372,000, was unchanged over the month. Employment in construction advanced 2,000 from January to 199,000 in February, while mining employment remained at 18,000.

Service-Producing Industries. Increases of 5,000 in both retail trade and services were mainly responsible for boosting employment in service-producing industries 14,000 from January to 3,549,000 in February. Employment in government was up 3,000 due to gains in local government. Finance, insurance, and real estate rose slightly, while transportation and public utilities and wholesale trade were little changed from January.

Over the Year. Ohio's unemployment rate rose from 5.1 percent in February 1989 to 5.8 percent in February 1990. The national rate of 5.3 percent was up from 5.2 percent in February 1989. Total employment in Ohio was down 48,000 from February 1989, while total unemployment was up 34,000. Nonagricultural payroll employment rose 93,000 from a year ago. Retail trade increased 34,000 and services advanced 29,000. Government and wholesale trade also had notable increases. Employment in goods-producing industries was virtually unchanged from February 1989 as declines in durable-goods industries were offset by gains in nondurable goods and construction.

Factory Hours and Earnings. The average weekly earnings of Ohio's production workers in manufacturing industries rose $5.49 from January to $517.47 in February. Their average workweek fell slightly to 41.9 hours. Much of the increase was due to the recall of high-paid workers in motor vehicles and equipment. Higher earnings were also reported in metal forgings and stampings, general industrial machinery, and aircraft and parts.

Benefits and Costs. Initial claims filed under the Ohio Unemployment Compensation Law totaled 73,917 in February, down 41.4 percent from January, but up 60.5 percent from February

Ohio Bureau of Employment Services

Richard F. Celeste, Governor Ellen O'Brien Saunders, Administrator

1989. Total benefits paid rose 0.9 percent to $84.3 million. The average weekly benefit check increased $1.93 from January to $175.31. The average weekly number of benefit recipients, at 122,943, was up 8.2 percent. At the end of February there were 206,606 active employer accounts.

Employment Service. The Ohio Bureau of Employment Services helped 32,318 new job applicants in February, down 14.6 percent from January, and down 18.9 percent from February 1989. Job openings received from employers fell 12.2 percent from January to 6,849. The Employment Services Division made 17,247 job referrals and 2,326 placements.

Occupational Survey Underway

Many Ohio employers in the nonmanufacturing sector are being asked to participate in the Occupational Employment Statistics (OES) survey. The OES survey provides baseline information on the occupational composition of jobs in Ohio. These data have many uses, including being a major input in developing projections of future employment patterns and training needs. OES data are also helpful in market research targeted toward specific groups of workers and in developing company staffing strategies.

Occupational Employment Statistics are obtained by a mail survey of a sample of employers in nonagricultural industries. Information provided by individual employers is confidential and will not be identifiable in OES publications. For further information on the OES survey, contact Rick Greene at (614) 644–2689, or write:

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Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

Seasonally Adjusted

Ohio

	Employment (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Feb. 1990	Jan. 1990	Feb. 1989	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,372	5,426	5,386	-54	-14	-1.0	-.3
Employment	5,061	5,060	5,109	1	-48	.0	-.9
Unemployment	311	366	277	-55	34	-15.0	12.3
Unemployment Rate	5.8	6.7	5.1				
Employer Survey Data[e]							
Total	4,889	4,848	4,796	42	93	.9	1.9
Goods–Producing Industries	1,340	1,312	1,340	28	0	2.1	.0
Mining	18	18	18	0	0	-.6	-1.8
Coal Mining	8	8	8	0	0	.1	-1.2
Oil and Gas Extraction	6	6	6	0	0	-.7	-4.0
Construction	199	198	194	2	5	.8	2.8
General Building Contractors	48	48	48	1	0	1.2	.2
Heavy Construction, Except Building	23	23	24	0	-1	.4	-2.1
Special Trade Contractors	127	126	121	1	6	.7	4.9
Manufacturing	1,123	1,097	1,128	26	-5	2.4	-.5
Durable Goods	750	725	760	26	-9	3.6	-1.2
Lumber and Wood Products	23	23	23	0	0	-1.9	-.1
Furniture and Fixtures	16	16	16	0	0	-1.1	-1.1
Stone, Clay, and Glass Products	46	46	47	0	-1	.5	-1.2
Primary Metal Industries	101	99	103	1	-2	1.3	-2.2
Fabricated Metal Products	136	131	138	4	-2	3.4	-1.5
Industrial Machinery and Equipment	168	168	168	0	0	-.1	-.2
Electronic and Other Electric Equipment	78	78	80	0	-1	.3	-1.6
Transportation Equipment	141	121	144	21	-2	17.1	-1.6
Instruments and Related Products	27	27	27	0	0	.1	-.9
Nondurable Goods	372	372	369	0	4	.1	1.0
Food and Kindred Products	65	65	63	0	2	-.1	2.5
Apparel and Other Textile Products	15	15	16	0	-1	1.2	-4.4
Paper and Allied Products	38	38	37	0	1	-.2	1.5
Printing and Publishing	75	75	74	0	2	.2	2.2
Chemicals and Allied Products	66	66	65	0	1	.2	1.6
Rubber and Misc. Plastics Products	95	95	96	0	-1	.1	-.6
Service–Producing Industries	3,549	3,535	3,456	14	93	.4	2.7
Transportation and Public Utilities	219	219	215	0	4	.1	1.8
Transportation	128	128	125	0	4	.3	2.9
Communications, Electric, Gas Services	91	91	90	0	0	-.2	.4

See footnotes on page 4.

Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

Seasonally Adjusted

	Employment (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Feb. 1990	Jan. 1990	Feb. 1989	From Last Month	From Last Year	From Last Month	From Last Year
Wholesale Trade	269	269	261	0	8	.1	3.0
Wholesale Trade-Durable Goods	170	170	166	0	5	.1	2.8
Wholesale Trade-Nondurable Goods	99	99	95	0	3	.1	3.4
Retail Trade	931	926	897	5	34	.5	3.8
Building Materials and Garden Supplies	36	36	34	0	2	.5	5.4
General Merchandise Stores	128	127	124	1	4	1.0	3.4
Food Stores	143	143	138	0	5	1	3.6
Automotive Dealers and Service Stations	102	101	98	0	4	.4	3.8
Apparel and Accessory Stores	50	50	47	0	3	.8	6.7
Furniture and Homefurnishings Stores	33	33	31	0	1	.2	4.6
Eating and Drinking Places	319	317	312	2	7	.6	2.2
Miscellaneous Retail	121	120	113	0	8	.3	6.8
Finance, Insurance, and Real Estate	257	256	251	1	6	.2	2.3
Finance	121	121	119	0	2	-.1	1.6
Depository Institutions	91	91	90	0	1	-.4	.8
Insurance	93	92	90	0	2	.3	2.3
Real Estate	44	43	42	0	2	1.0	4.4
Services	1,159	1,154	1,130	5	29	.5	2.6
Hotels and Other Lodging Places	38	38	38	0	0	.3	-.2
Personal Services	55	54	54	0	1	.5	1.5
Business Services	211	209	200	2	11	.8	5.7
Amusements, Including Motion Pictures	54	54	57	0	-4	.1	-6.7
Health Services	391	391	380	1	12	.2	3.0
Legal Services	29	29	28	0	1	.3	4.9
Educational Services	60	60	62	0	-2	-.2	-3.9
Social Services	74	73	72	0	2	.4	3.1
Membership Organizations	80	79	77	0	2	.2	3.1
Engineering and Management Services	87	86	86	1	1	.6	1.2
Government	714	711	701	3	13	.4	1.8
Federal Government	96	96	96	0	1	.0	.6
State Government	159	158	156	1	4	.5	2.3
State Government Education	82	82	80	0	1	.1	1.7
Local Government	458	456	450	2	8	.5	1.9
Local Government Education	268	267	262	1	6	.5	2.4

[a]Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b]Changes are computed from unrounded numbers. [c]Percentages are computed from unrounded numbers. [d]From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics. [e]From the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(In Thousands)

Civilian Labor Force			Unemployment Rates		
Total	Employed	Unemployed	Ohio	U.S.	
					1988
5,333	4,991	342	6.4	5.7	February
5,368	4,969	399	7.4	5.7	March
5,310	4,977	333	6.3	5.5	April
5,278	4,957	321	6.1	5.6	May
5,289	4,981	308	5.8	5.4	June
5,294	5,000	294	5.6	5.5	July
5,311	5,007	304	5.7	5.6	August
5,283	4,966	317	6.0	5.4	September
5,333	5,038	295	5.5	5.3	October
5,362	5,063	299	5.6	5.3	November
5,350	5,060	290	5.4	5.3	December
					1989
5,399	5,078	321	5.9	5.4	January
5,386	5,109	277	5.1	5.2	February
5,403	5,116	287	5.3	5.0	March
5,374	5,090	284	5.3	5.3	April
5,409	5,116	293	5.4	5.2	May
5,445	5,142	303	5.6	5.3	June
5,420	5,124	296	5.5	5.3	July
5,427	5,162	265	4.9	5.3	August
5,441	5,153	288	5.3	5.3	September
5,462	5,135	327	6.0	5.3	October
5,415	5,081	334	6.2	5.3	November
5,442	5,110	332	6.1	5.3	December
					1990
5,426	5,060	366	6.7	5.3	January
5,372	5,061	311	5.8	5.3	February

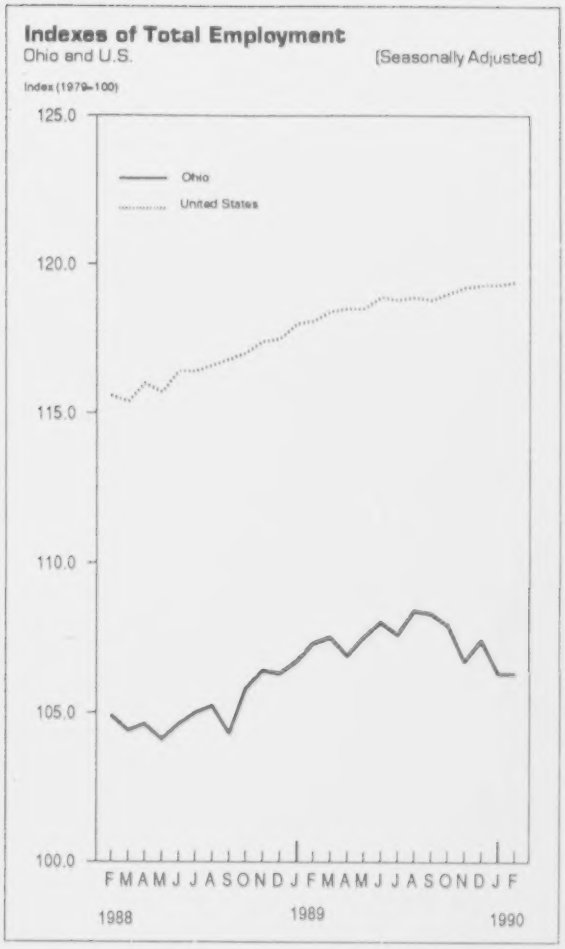
Ohio Nonagricultural Wage and Salary Employment
(In Thousands)

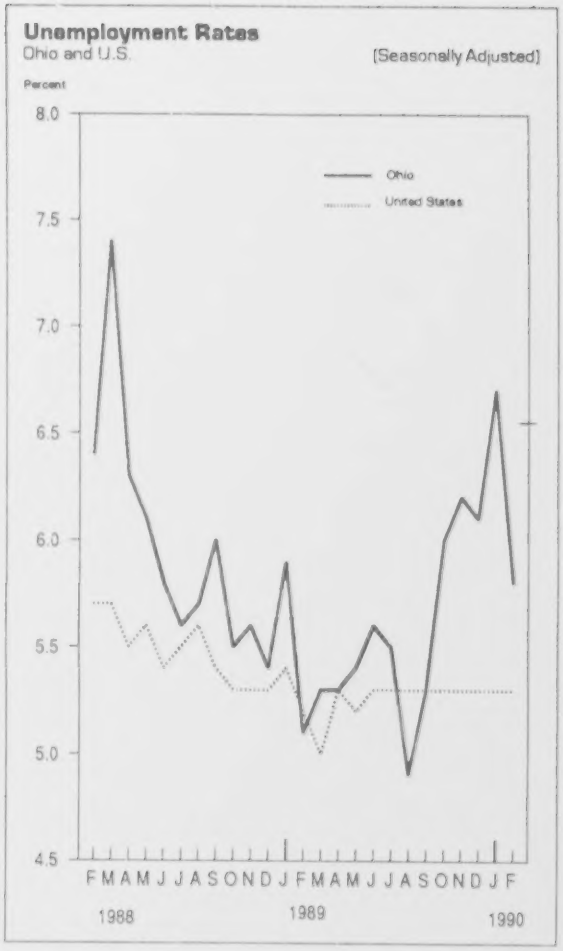
Nonagricultural Employment					
	Goods–Producing Employment				
Total	Total	Mining	Construction	Manufacturing	
					1988
4,643	1,303	20	181	1,102	February
4,652	1,300	19	184	1,096	March
4,684	1,314	19	190	1,105	April
4,689	1,312	19	188	1,105	May
4,707	1,316	19	188	1,109	June
4,713	1,319	19	186	1,114	July
4,713	1,317	19	186	1,112	August
4,727	1,320	19	186	1,115	September
4,732	1,322	18	184	1,119	October
4,745	1,325	18	186	1,121	November
4,761	1,329	18	188	1,123	December
					1989
4,775	1,338	18	191	1,128	January
4,796	1,340	18	194	1,128	February
4,817	1,342	18	194	1,130	March
4,791	1,336	18	193	1,125	April
4,795	1,332	18	190	1,125	May
4,809	1,335	18	192	1,126	June
4,809	1,325	15	192	1,118	July
4,828	1,335	18	193	1,124	August
4,835	1,334	18	193	1,122	September
4,834	1,324	18	194	1,112	October
4,850	1,332	18	196	1,119	November
4,862	1,334	18	197	1,119	December
					1990
4,848	1,312	18	198	1,097	January
4,889	1,340	18	199	1,123	February

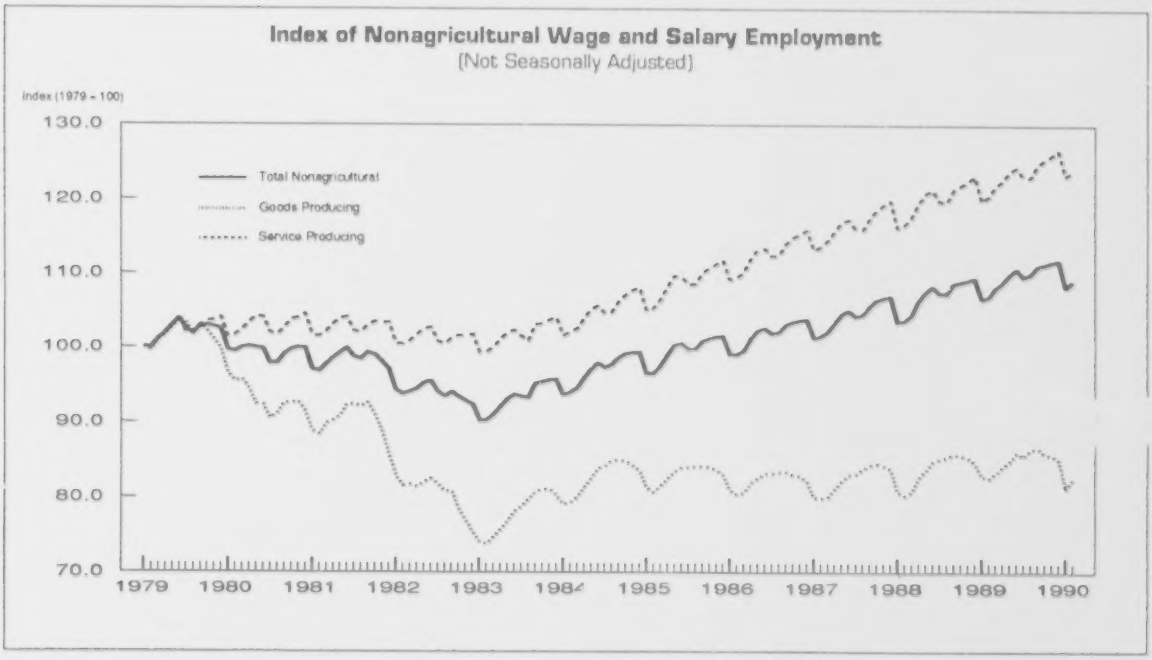
Service–Producing Employment
(In Thousands)

Total	Transportation & Public Utilities		Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate		Services	Government
		1988				1988		
3,341	210	February	252	868	247	February	1,073	691
3,353	210	March	253	871	248	March	1,079	692
3,370	211	April	255	877	249	April	1,086	691
3,377	212	May	256	878	249	May	1,089	693
3,390	213	June	256	881	250	June	1,098	692
3,393	213	July	258	879	249	July	1,099	695
3,396	214	August	258	881	249	August	1,105	689
3,407	213	September	258	881	249	September	1,109	696
3,410	212	October	259	879	249	October	1,112	698
3,419	213	November	260	881	249	November	1,116	700
3,432	214	December	260	886	250	December	1,123	700
		1989				1989		
3,437	215	January	261	889	250	January	1,124	699
3,456	215	February	261	897	251	February	1,130	701
3,475	215	March	262	905	252	March	1,137	703
3,455	215	April	261	896	251	April	1,131	702
3,463	215	May	262	896	251	May	1,133	704
3,474	215	June	263	900	252	June	1,138	704
3,484	215	July	264	904	253	July	1,141	707
3,494	216	August	265	906	253	August	1,145	708
3,501	216	September	266	909	254	September	1,148	708
3,509	217	October	267	913	254	October	1,148	711
3,518	217	November	267	916	255	November	1,152	710
3,527	218	December	268	919	255	December	1,156	711
		1990				1990		
3,535	219	January	269	926	256	January	1,154	711
3,549	219	February	269	931	257	February	1,159	714

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.


Indexes of Total Employment
Ohio and U.S.
[Seasonally Adjusted]
Index (1979=100)
125.0
120.0
115.0
110.0
105.0
100.0
Ohio
United States
F M A M J J A S O N D J F M A M J J A S O N D J F
1988
1989
1990


Unemployment Rates
Ohio and U.S.
[Seasonally Adjusted]
Percent
8.0
7.5
7.0
6.5
6.0
5.5
5.0
4.5
Ohio
United States
F M A M J J A S O N D J F M A M J J A S O N D J F
1988
1989
1990


Index of Nonagricultural Wage and Salary Employment
(Not Seasonally Adjusted)
Index (1979 = 100)
130.0
120.0
110.0
100.0
90.0
80.0
70.0
Total Nonagricultural
Goods Producing
Service Producing
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990

Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(in thousands)

Civilian Labor Force			Unemployment Rates		
Total	Employed	Unemployed	Ohio	U.S.	
5,059	4,760	299	5.9	5.8	1979
5,089	4,663	426	8.4	7.1	1980
5,100	4,608	492	9.6	7.6	1981
5,114	4,474	640	12.5	9.7	1982
5,099	4,478	621	12.2	9.6	1983
5,089	4,609	480	9.4	7.5	1984
5,135	4,680	455	8.9	7.2	1985
5,232	4,806	425	8.1	7.0	1986
5,253	4,886	367	7.0	6.2	1987
5,322	5,002	320	6.0	5.5	1988
5,419	5,118	300	5.5	5.3	1989
					1989
5,355	5,043	312	5.8	5.6	February
5,351	5,043	308	5.8	5.2	March
5,333	5,066	268	5.0	5.1	April
5,393	5,117	276	5.1	5.0	May
5,505	5,184	320	5.8	5.5	June
5,483	5,210	273	5.0	5.3	July
5,481	5,223	259	4.7	5.1	August
5,425	5,158	267	4.9	5.1	September
5,477	5,169	308	5.6	5.0	October
5,434	5,113	321	5.9	5.2	November
5,421	5,094	328	6.0	5.1	December
					1990
5,391	4,979	412	7.6	5.9	January
5,344	4,998	346	6.5	5.8	February

Ohio Nonagricultural Wage and Salary Employment
(in thousands)

Nonagricultural Employment					
	Goods–Producing Employment				
Total	Total	Mining	Construction	Manufacturing	
4,484.8	1,596.8	31.6	182.9	1,382.3	1979
4,367.4	1,462.5	30.7	167.4	1,264.3	1980
4,317.7	1,417.0	30.7	153.7	1,232.6	1981
4,124.3	1,264.8	30.3	134.6	1,099.9	1982
4,092.0	1,223.4	26.6	130.8	1,066.0	1983
4,260.2	1,299.7	27.8	144.8	1,127.0	1984
4,372.9	1,304.3	26.1	154.0	1,124.2	1985
4,471.4	1,293.1	22.6	160.7	1,109.8	1986
4,582.6	1,296.2	20.9	176.4	1,098.9	1987
4,700.6	1,315.1	18.9	185.6	1,110.6	1988
4,817.2	1,333.9	17.8	193.1	1,123.0	1989
					1989
4,696.4	1,297.2	17.6	181.2	1,118.4	February
4,746.9	1,309.3	17.7	169.0	1,122.6	March
4,777.0	1,320.5	17.8	181.5	1,121.2	April
4,827.0	1,333.3	17.8	191.3	1,124.2	May
4,858.3	1,351.4	18.1	201.8	1,131.5	June
4,815.3	1,343.2	15.4	209.6	1,118.2	July
4,830.3	1,358.7	18.5	212.3	1,128.0	August
4,877.8	1,361.7	18.5	211.8	1,131.4	September
4,885.7	1,347.1	18.6	212.3	1,116.3	October
4,900.8	1,346.8	18.3	205.5	1,123.0	November
4,909.6	1,335.6	18.1	195.8	1,121.7	December
					1990
4,752.1	1,275.5	17.6	170.6	1,087.3	January
4,787.3	1,296.5	17.2	166.2	1,113.1	February

Service–Producing Employment
(in thousands)

Total	Transportation & Public Utilities		Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate		Services	Government
2,888.0	232.1	1979	234.0	741.2	200.6	1979	806.2	674.0
2,904.9	223.1	1980	231.7	725.5	203.8	1980	830.9	689.9
2,900.7	217.2	1981	233.6	716.5	205.8	1981	851.6	676.0
2,859.5	206.8	1982	227.1	702.3	206.4	1982	857.3	659.6
2,869.2	198.5	1983	223.6	709.9	207.8	1983	873.3	656.1
2,960.5	203.9	1984	237.9	746.8	211.5	1984	905.2	655.2
3,068.5	202.7	1985	245.1	786.5	219.3	1985	949.5	665.2
3,178.4	203.4	1986	245.7	817.1	232.3	1986	1,001.0	678.9
3,286.4	207.8	1987	249.4	846.9	243.8	1987	1,051.2	687.3
3,385.5	212.1	1988	256.4	877.4	249.0	1988	1,096.8	693.8
3,483.3	215.9	1989	264.0	904.2	252.6	1989	1,140.8	705.7
		1989				1989		
3,399.1	209.9	February	258.5	864.6	248.3	February	1,104.6	713.2
3,437.6	211.1	March	260.4	877.8	249.8	March	1,118.2	720.3
3,456.5	212.8	April	260.3	886.2	249.4	April	1,131.3	716.6
3,493.6	215.1	May	262.4	899.5	251.2	May	1,142.5	723.0
3,506.9	217.4	June	265.2	909.2	254.2	June	1,157.8	703.2
3,472.1	217.5	July	265.8	910.3	255.9	July	1,158.8	663.8
3,471.5	218.5	August	265.7	915.4	256.1	August	1,160.0	655.8
3,516.0	219.0	September	266.0	916.8	254.9	September	1,165.8	693.6
3,538.6	219.4	October	268.0	919.7	254.1	October	1,156.2	721.2
3,554.0	219.4	November	268.5	933.3	254.3	November	1,152.0	726.5
3,574.0	220.4	December	269.6	949.1	254.7	December	1,150.5	729.7
		1990				1990		
3,476.5	213.7	January	266.4	905.9	253.6	January	1,122.6	714.2
3,490.8	213.7	February	266.3	897.6	254.0	February	1,133.2	726.0

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.

Manufacturing Employment, Hours, and Earnings[a]

Not Seasonally Adjusted

Manufacturing Employment

Total (thousands)	Durable Goods (thousands)	Nondurable Goods (thousands)	
1,382.3	978.1	404.2	1979
1,264.3	880.3	384.1	1980
1,232.6	858.2	374.4	1981
1,099.9	750.5	349.4	1982
1,066.0	721.9	344.1	1983
1,127.0	771.7	355.4	1984
1,124.2	767.0	357.3	1985
1,109.8	751.0	358.8	1986
1,098.9	738.9	360.0	1987
1,110.6	747.3	363.4	1988
1,123.0	753.2	369.8	1989
			1989
1,118.4	754.4	364.1	February
1,122.6	756.8	365.8	March
1,121.2	755.2	366.0	April
1,124.2	756.5	367.7	May
1,131.5	759.8	371.7	June
1,118.2	748.2	370.0	July
1,128.0	754.9	373.1	August
1,131.4	755.5	375.9	September
1,116.3	742.1	374.2	October
1,123.0	749.5	373.5	November
1,121.7	750.0	371.7	December
			1990
1,087.3	719.3	368.0	January
1,113.1	745.2	367.9	February

Production Workers in Manufacturing

Production Workers (thousands)	Aggregate Weekly Payroll (millions)	Aggregate Weekly Hours (millions)	
979.0	$318.5	40.6	1979
867.8	301.9	35.2	1980
847.7	330.4	34.7	1981
735.7	297.1	29.5	1982
721.6	315.5	29.9	1983
781.5	362.3	33.1	1984
773.4	369.7	32.5	1985
758.5	369.1	31.9	1986
751.4	375.5	32.0	1987
762.3	393.0	32.8	1988
770.6	403.4	32.9	1989
			1989
767.8	402.5	33.0	February
770.7	402.5	33.1	March
769.7	404.7	32.9	April
771.7	403.0	33.0	May
776.5	409.1	33.3	June
767.2	409.1	32.1	July
774.0	390.9	32.1	August
776.2	398.2	33.1	September
765.6	408.7	33.1	October
770.4	399.0	32.9	November
769.6	405.9	32.8	December
			1990
735.8	376.7	30.9	January
760.3	393.4	31.9	February

Production Worker Average Weekly Earnings

Manufacturing	Durable Goods	Nondurable Goods	
$325.36	$335.30	$297.78	1979
347.94	358.57	319.99	1980
389.78	401.64	358.16	1981
403.81	414.80	378.95	1982
437.18	452.35	402.52	1983
463.61	482.38	417.83	1984
477.96	499.56	425.80	1985
486.68	507.95	439.71	1986
499.70	519.52	455.03	1987
515.57	538.16	466.31	1988
523.50	542.23	478.19	1989
			1989
524.17	546.80	473.47	February
525.10	548.97	471.33	March
521.37	541.73	473.82	April
522.22	543.02	473.10	May
526.81	546.88	481.74	June
509.50	526.23	474.44	July
514.46	530.02	478.40	August
526.49	545.67	484.15	September
521.10	539.30	482.69	October
526.92	545.24	484.68	November
527.39	546.12	485.62	December
			1990
511.98	524.15	485.72	January
517.47	535.10	479.08	February

Production Worker Average Weekly Hours

Manufacturing	Durable Goods	Nondurable Goods	
41.5	41.6	41.1	1979
40.6	40.7	40.2	1980
40.9	40.9	40.7	1981
40.1	40.0	40.4	1982
41.4	41.5	41.2	1983
42.3	42.5	41.7	1984
42.0	42.3	41.3	1985
42.1	42.4	41.6	1986
42.6	42.9	41.9	1987
43.0	43.4	42.2	1988
42.7	43.0	41.8	1989
			1989
43.0	43.5	41.9	February
42.9	43.5	41.6	March
42.7	43.2	41.6	April
42.7	43.2	41.5	May
42.9	43.3	42.0	June
41.9	42.2	41.4	July
42.1	42.3	41.6	August
42.7	43.0	42.1	September
42.4	42.7	41.9	October
42.7	43.0	42.0	November
42.6	42.9	41.9	December
			1990
42.0	42.1	41.8	January
41.9	42.2	41.3	February

Production Worker Average Hourly Earnings

Manufacturing	Durable Goods	Nondurable Goods	
$7.84	$8.06	$7.25	1979
8.57	8.81	7.96	1980
9.53	9.82	8.80	1981
10.07	10.37	9.38	1982
10.56	10.90	9.77	1983
10.96	11.35	10.02	1984
11.38	11.81	10.31	1985
11.56	11.98	10.57	1986
11.73	12.11	10.86	1987
11.99	12.40	11.05	1988
12.26	12.61	11.44	1989
			1989
12.19	12.57	11.30	February
12.24	12.62	11.33	March
12.21	12.54	11.39	April
12.23	12.57	11.40	May
12.28	12.63	11.47	June
12.16	12.47	11.46	July
12.22	12.53	11.50	August
12.33	12.69	11.50	September
12.29	12.63	11.52	October
12.34	12.68	11.54	November
12.38	12.73	11.59	December
			1990
12.19	12.45	11.62	January
12.35	12.68	11.60	February

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment and Average Weekly Earnings in Selected Major Manufacturing Industries[a]

Not Seasonally Adjusted

Employment
(thousands)

Stone, Clay, and Glass Products	Primary Metal Industries	Fabricated Metal Products		Industrial Machinery and Equipment	Electronic and Other Electric Equipment	Transportation Equipment		Food and Kindred Products	Printing and Publishing	Rubber and Miscellaneous Plastics Products
67.0	158.9	175.3	1979	232.1	106.8	165.3	1979	74.4	67.6	109.3
62.0	139.8	157.5	1980	219.2	96.5	138.6	1980	72.7	67.4	95.1
58.6	138.3	154.8	1981	211.8	92.3	136.4	1981	69.2	66.1	91.4
52.1	112.7	134.9	1982	183.4	84.7	121.1	1982	66.9	63.2	82.4
50.2	104.1	129.8	1983	160.1	81.7	131.6	1983	63.4	62.8	84.5
50.5	108.9	138.8	1984	173.1	85.4	144.4	1984	62.8	65.1	92.7
48.5	101.8	139.7	1985	171.7	83.2	150.6	1985	62.9	66.8	93.3
47.5	95.4	136.8	1986	163.9	82.0	153.2	1986	63.0	68.4	94.5
46.5	95.8	132.9	1987	160.3	79.9	148.8	1987	63.1	70.5	93.6
46.0	100.8	135.2	1988	163.9	80.0	142.8	1988	62.5	72.5	93.4
45.7	102.2	136.3	1989	167.6	79.5	141.8	1989	63.2	73.9	96.4
			1989				1989			
44.8	102.9	136.9	February	167.6	79.7	143.7	February	61.2	73.1	95.4
45.3	102.8	137.3	March	168.7	79.8	144.0	March	61.5	73.3	96.0
45.4	103.2	136.5	April	167.8	78.9	144.8	April	61.8	73.1	96.0
45.7	103.3	136.8	May	167.8	78.9	144.9	May	62.4	73.5	96.1
46.4	103.1	136.8	June	169.2	79.6	144.7	June	63.5	74.1	97.1
46.1	101.0	134.9	July	168.8	79.2	137.7	July	63.2	74.0	95.4
46.5	102.4	135.0	August	168.0	79.3	142.4	August	64.4	74.2	96.8
46.3	102.8	137.1	September	167.9	80.2	139.8	September	66.7	74.6	97.4
45.9	100.3	135.3	October	163.6	79.4	136.4	October	64.9	74.8	97.6
45.9	100.8	136.2	November	167.1	79.6	139.0	November	63.8	75.0	97.6
45.3	100.6	136.0	December	168.0	79.0	140.8	December	63.4	75.0	96.7
			1990				1990			
44.2	98.8	130.5	January	167.6	78.4	120.6	January	63.3	74.6	94.7
44.2	100.6	134.8	February	167.2	78.4	141.5	February	62.7	74.7	94.9

Average Weekly Earnings of Production Workers

$293.34	$395.43	$323.38	1979	$329.09	$289.27	$391.56	1979	$304.50	$302.62	$300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
470.37	626.44	513.17	1988	526.24	466.07	673.91	1988	446.04	445.22	446.95
478.67	619.61	508.09	1989	534.10	459.95	704.48	1989	458.39	457.81	446.05
			1989				1989			
473.88	629.95	516.17	February	552.27	472.49	701.88	February	440.18	445.02	459.11
469.88	619.89	510.00	March	543.01	462.04	713.11	March	449.35	454.31	450.02
475.25	621.72	509.22	April	542.68	459.95	723.31	April	448.93	447.70	441.42
478.08	624.34	509.65	May	538.46	457.60	683.55	May	455.10	448.84	444.37
473.45	620.64	514.61	June	537.34	457.19	692.19	June	454.69	446.18	450.71
479.52	632.19	505.91	July	535.67	455.67	713.25	July	468.26	447.70	459.67
477.28	607.26	498.42	August	515.10	445.21	676.67	August	462.42	449.26	445.82
480.22	613.02	490.28	September	515.95	457.73	682.78	September	468.42	448.14	444.56
476.43	628.97	523.13	October	528.04	458.97	720.50	October	458.05	468.00	451.78
490.05	610.42	507.78	November	528.90	460.37	711.67	November	457.03	467.63	440.15
488.91	616.07	512.68	December	534.69	462.31	720.72	December	467.58	478.67	440.35
471.10	618.02	433.54								
			1990				1990			
473.59	605.12	489.82	January	520.15	459.26	670.64	January	476.57	470.00	442.21
477.14	603.35	498.49	February	531.36	467.46	677.21	February	452.06	471.22	443.56

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Ohio

	Employment (in thousands)			Change[d] (in thousands)	
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	From Last Month	From Last Year
Total	4787.3	4752.1	4696.4	35.2	90.9
Goods-Producing Industries	1296.5	1275.5	1297.2	21.0	-.7
Mining	17.2	17.6	17.6	-.3	-.3
Coal Mining	7.5	7.5	7.6	.0	-.1
Oil and Gas Extraction	5.6	5.8	5.8	-.2	-.2
Construction	166.2	170.6	161.2	-4.4	4.9
General Building Contractors	42.2	43.3	42.1	-1.1	.1
Nonresidential Building Construction	21.4	22.2	22.3	-.8	-.9
Heavy Construction, Except Building	15.5	16.0	15.8	-.6	-.3
Highway and Street Construction	3.9	4.1	3.9	-.2	.0
Special Trade Contractors	108.5	111.3	103.4	-2.8	5.1
Manufacturing	1113.1	1087.3	1118.4	25.7	-5.3
Durable Goods[e]	745.2	719.3	754.4	25.8	-9.2
Lumber and Wood Products	21.6	22.0	21.6	-.4	.0
Millwork, Plywood and Structural Members	9.5	10.0	9.6	-.5	-.1
Furniture and Fixtures	15.6	15.7	15.7	-.1	-.2
Stone, Clay, and Glass Products	44.2	44.2	44.8	.0	-.5
Primary Metal Industries	100.6	98.8	102.9	1.8	-2.3
Blast Furnace and Basic Steel Products	46.7	46.9	46.4	-.2	.3
Iron and Steel Foundries	20.0	18.9	20.9	1.1	-.9
Nonferrous Rolling and Drawing	16.0	15.2	17.6	.8	-1.6
Nonferrous Foundries	10.7	10.5	10.7	.2	.0
Fabricated Metal Products	134.8	130.5	136.9	4.3	-2.1
Fabricated Structural Metal Products	29.8	30.3	29.6	-.5	.2
Metal Forgings and Stampings	38.8	34.9	40.4	3.8	-1.6
Industrial Machinery and Equipment	167.2	167.6	167.6	-.4	-.4
Construction and Related Machinery	14.6	14.5	13.8	.1	.8
Metalworking Machinery	47.1	47.3	47.4	-.1	-.3
Special Industry Machinery	17.4	17.5	17.2	-.1	.3
General Industrial Machinery	26.1	26.0	26.4	.2	-.2
Computer and Office Equipment	11.1	11.1	11.8	.0	-.7
Refrigeration and Service Machinery	15.5	16.1	16.4	-.5	-.9
Electronic and Other Electric Equipment	78.4	78.4	79.7	.0	-1.3
Electrical Industrial Apparatus	12.4	12.6	12.7	-.2	-.2
Household Appliances	15.8	15.8	15.3	.1	.5
Electric Lighting and Wiring Equipment	16.4	15.9	16.7	.6	-.3
Electronic Components and Accessories	11.2	11.3	11.4	-.2	-.2
Transportation Equipment	141.5	120.6	143.7	20.8	-2.2
Motor Vehicles and Equipment	96.2	75.5	98.6	20.7	-2.4
Aircraft and Parts	36.8	36.8	36.4	.0	.3
Instruments and Related Products	26.4	26.6	26.7	-.2	-.2
Measuring and Controlling Devices	16.0	16.1	16.4	-.1	-.4
Nondurable Goods[f]	367.9	368.0	364.1	-.1	3.9
Food and Kindred Products	62.7	63.3	61.2	-.6	1.5
Dairy Products	10.2	10.2	9.7	.1	.6
Preserved Fruits and Vegetables	10.7	11.1	10.3	-.4	.4
Bakery Products	9.6	9.6	9.1	.0	.5
Apparel and Other Textile Products	14.9	14.7	15.6	.2	-.7
Paper and Allied Products	37.7	37.8	37.2	-.1	.5
Paperboard Containers and Boxes	14.0	13.9	13.3	.1	.7
Miscellaneous Converted Paper Products	12.0	12.0	12.1	.0	-.1
Printing and Publishing	74.7	74.6	73.1	.1	1.6
Newspapers	19.1	19.1	18.8	.1	.4
Commercial Printing	27.3	27.3	26.8	.0	.6
Chemicals and Allied Products	65.3	65.2	64.3	.2	1.0
Plastics Materials and Synthetics	9.7	9.7	9.5	.0	.3
Rubber and Miscellaneous Plastics Products	94.9	94.7	95.4	.2	-.5
Tires and Inner Tubes	15.8	15.8	14.6	.0	1.2
Miscellaneous Plastics Products	57.0	56.3	57.8	.6	-.8
Service-Producing Industries	3490.8	3476.5	3399.1	14.3	91.7
Transportation and Public Utilities	213.7	213.7	209.9	.1	3.7
Transportation	123.7	123.4	120.2	.2	3.5
Railroad Transportation	11.9	12.1	12.6	-.2	-.7
Trucking and Warehousing	74.3	73.7	72.7	.5	1.5
Transportation by Air	14.0	13.9	12.8	.1	1.1
Communications, Electric, Gas Services	90.0	90.3	89.7	-.3	.2
Communications	46.6	47.0	47.5	-.2	-.6
Electric, Gas, and Sanitary Services	43.2	43.3	42.3	-.1	.9

See footnotes on page 13.

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Ohio (continued)

	Employment (in thousands)			Change[d] (in thousands)	
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	From Last Month	From Last Year
Wholesale Trade	266.3	266.4	258.5	-.1	7.9
Wholesale Trade-Durable Goods	169.0	168.8	164.3	.1	4.7
Motor Vehicles, Parts, and Supplies	22.7	22.8	22.5	-.1	.3
Professional and Commercial Equipment	32.7	32.6	31.6	.1	1.1
Metals and Minerals, Except Petroleum	11.2	11.2	11.3	-.1	-.1
Electrical Goods	18.7	18.7	18.3	.0	.4
Hardware, Plumbing and Heating Equipment	12.8	12.7	12.3	.1	.4
Machinery, Equipment, and Supplies	42.4	42.2	40.9	.2	1.5
Wholesale Trade-Nondurable Goods	97.4	97.6	94.2	-.2	3.2
Groceries and Related Products	32.1	32.3	30.9	-.2	1.3
Retail Trade	897.6	905.9	864.6	-8.3	33.0
Building Materials and Garden Supplies	32.8	33.0	31.1	-.2	1.7
Lumber and Other Building Materials	16.7	16.9	16.0	-.2	.7
General Merchandise Stores	123.9	128.5	119.6	-4.7	4.2
Department Stores	101.1	105.1	96.4	-4.0	4.7
Variety Stores	13.4	13.6	13.5	-.2	-.1
Food Stores	140.3	141.2	135.5	-.9	4.8
Grocery Stores	124.6	125.2	120.0	-.5	4.7
Automotive Dealers and Service Stations	99.6	99.5	95.9	.1	3.7
New and Used Car Dealers	44.1	44.0	43.0	.1	1.0
Gasoline Service Stations	35.0	35.1	32.5	-.1	2.5
Apparel and Accessory Stores	48.9	50.2	45.8	-1.4	3.1
Furniture and Homefurnishings Stores	32.4	33.0	31.0	-.6	1.4
Eating and Drinking Places	301.4	300.5	294.9	.9	6.5
Miscellaneous Retail	118.3	119.9	110.7	-1.6	7.6
Drug Stores and Proprietary Stores	31.6	31.8	29.6	-.2	2.1
Nonstore Retailers	23.1	23.3	21.7	-.2	1.4
Finance, Insurance, and Real Estate	254.0	253.6	248.3	.4	5.7
Finance	120.1	120.3	118.2	-.2	1.9
Depository Institutions	90.4	90.9	89.6	-.6	.8
Commercial Banks	63.4	63.9	62.1	-.4	1.3
Insurance	92.3	92.0	90.2	.3	2.1
Insurance Carriers	70.6	70.4	69.4	.2	1.2
Life Insurance	26.0	25.9	25.8	.2	.3
Fire, Marine, and Casualty Insurance	31.3	31.3	30.2	.0	1.0
Real Estate	41.6	41.3	39.9	.3	1.8
Services	1133.2	1122.6	1104.6	10.6	28.6
Hotels and Other Lodging Places	36.2	35.8	36.3	.4	-.1
Personal Services	55.3	54.8	54.5	.5	.8
Business Services	205.1	203.4	194.1	1.7	11.0
Services to Buildings	32.4	31.9	31.1	.5	1.3
Personnel Supply Services	68.1	67.5	63.9	.5	4.2
Computer and Data Processing Services	27.0	26.7	24.3	.3	2.7
Amusements, Including Motion Pictures	41.0	40.5	44.0	.5	-3.0
Health Services	389.1	388.4	377.7	.7	11.4
Nursing and Personal Care Facilities	84.4	84.2	81.8	.2	2.6
Hospitals	189.4	189.0	184.8	.4	4.6
Legal Services	29.1	29.1	27.8	.1	1.3
Educational Services	65.4	61.2	68.1	4.2	-2.7
Colleges and Universities	37.2	33.5	40.0	3.7	-2.8
Social Services	73.6	73.2	71.4	.3	2.2
Residential Care	22.6	22.5	21.5	.1	1.1
Membership Organizations	78.7	78.0	76.4	.6	2.3
Engineering and Management Services	85.9	85.1	84.9	.8	1.0
Engineering and Architectural Services	26.1	26.0	25.3	.1	.8
Accounting, Auditing, and Bookkeeping	22.1	21.7	22.0	.4	.1
Research and Testing Services	18.7	18.5	18.4	.1	.2
Management and Public Relations	19.0	18.8	19.1	.2	-.1
Government	726.0	714.2	713.2	11.8	12.7
Federal Government	95.9	96.2	95.3	-.3	.6
U.S. Postal Service	34.0	34.2	34.9	-.2	-.8
State Government	163.7	158.5	160.3	5.2	3.4
State Government Hospitals	16.0	16.0	15.6	.1	.5
State Government Education[f]	87.9	82.7	86.5	5.1	1.3
Local Government	466.3	459.5	457.6	6.8	8.7
Local Government Hospitals	14.8	14.8	14.3	.1	.5
Local Government Education	280.5	274.1	273.8	6.4	6.7

See footnotes on page 13.

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Ohio

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1990[p]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[p]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[p]	Jan. 1990[c]	Feb. 1989[c]
Goods-Producing Industries	$530.79	$527.07	$535.06	41.5	41.6	42.6	$12.79	$12.67	$12.56
Mining	599.71	643.49	557.63	43.3	45.8	42.6	13.85	14.05	13.09
Coal Mining	751.30	792.14	696.36	44.8	46.9	42.8	16.77	16.89	16.27
Construction	599.78	606.84	559.87	38.3	38.9	37.3	15.66	15.60	15.01
General Building Contractors	552.80	554.6	513.02	40.0	39.9	38.4	13.82	13.90	13.36
Heavy Construction, Except Building	540.06	578.73	588.44	36.1	38.2	37.6	14.96	15.15	15.65
Special Trade Contractors	622.44	628.49	569.95	38.0	38.7	36.7	16.38	16.24	15.53
Manufacturing	517.47	511.98	524.17	41.9	42.0	43.0	12.35	12.19	12.19
Durable Goods[e]	535.10	524.15	546.80	42.2	42.1	43.5	12.68	12.45	12.57
Lumber and Wood Products	310.70	322.62	310.07	38.5	39.2	39.6	8.07	8.23	7.83
Millwork, Plywood and Structural Members	329.20	353.50	334.14	40.0	41.2	40.6	8.23	8.58	8.23
Furniture and Fixtures	386.78	378.22	369.00	41.5	40.8	41.0	9.32	9.27	9.00
Stone, Clay, and Glass Products	477.14	473.59	469.88	42.3	41.8	42.6	11.28	11.33	11.03
Primary Metal Industries	603.35	605.12	619.89	42.7	43.1	44.5	14.13	14.04	13.93
Blast Furnace and Basic Steel Products	619.92	621.79	637.87	43.2	43.3	44.7	14.35	14.36	14.27
Iron and Steel Foundries	630.05	635.25	654.40	42.6	43.6	45.1	14.79	14.57	14.51
Nonferrous Rolling and Drawing	630.34	634.44	640.42	40.2	40.8	42.3	15.68	15.55	15.14
Nonferrous Foundries	449.83	457.10	479.85	42.8	43.7	45.7	10.51	10.46	10.50
Fabricated Metal Products	498.49	489.82	510.00	41.3	41.3	42.5	12.07	11.86	12.00
Fabricated Structural Metal Products	453.33	456.77	436.17	41.4	41.6	40.2	10.95	10.98	10.85
Metal Forgings and Stampings	598.13	583.42	633.28	40.8	40.6	44.1	14.66	14.37	14.36
Industrial Machinery and Equipment	531.36	520.15	543.01	43.2	42.6	44.4	12.30	12.21	12.23
Construction and Related Machinery	471.96	465.50	441.08	41.4	41.6	41.3	11.40	11.19	10.68
Metalworking Machinery	517.10	517.97	536.07	43.6	43.6	45.2	11.86	11.88	11.86
Special Industry Machinery	526.24	522.85	514.30	44.0	43.9	44.8	11.96	11.91	11.48
General Industrial Machinery	562.53	524.39	580.28	42.2	41.0	44.5	13.33	12.79	13.04
Computer and Office Equipment	462.45	459.67	455.51	41.7	41.3	41.0	11.09	11.13	11.11
Refrigeration and Service Machinery	557.98	539.39	622.94	40.2	39.2	43.9	13.88	13.76	14.19
Electronic and Other Electric Equipment	467.46	459.26	462.04	41.7	41.6	41.7	11.21	11.04	11.08
Electrical Industrial Apparatus	447.53	454.03	445.99	42.5	43.2	43.3	10.53	10.51	10.30
Household Appliances	524.94	496.51	491.23	42.3	41.0	40.8	12.41	12.11	12.04
Electric Lighting and Wiring Equipment	471.51	457.56	477.02	40.3	40.6	41.3	11.70	11.27	11.55
Electronic Components and Accessories	341.96	339.08	367.16	41.5	41.1	42.3	8.24	8.25	8.68
Transportation Equipment	677.21	670.64	713.11	43.3	43.1	45.8	15.64	15.56	15.57
Motor Vehicles and Equipment	669.04	690.46	742.43	43.2	43.1	46.2	15.95	16.02	16.07
Aircraft and Parts	682.52	649.88	647.57	45.2	44.0	45.7	15.10	14.77	14.17
Instruments and Related Products	385.43	384.16	372.67	39.9	40.1	39.9	9.66	9.58	9.34
Measuring and Controlling Devices	376.32	378.18	366.66	39.2	39.6	38.8	9.60	9.55	9.45
Nondurable Goods[f]	479.08	485.72	473.47	41.3	41.8	41.9	11.60	11.62	11.30
Food and Kindred Products	452.06	476.57	440.18	40.8	42.1	41.1	11.08	11.32	10.71
Dairy Products	491.99	494.68	460.10	43.5	43.7	42.8	11.31	11.32	10.75
Preserved Fruits and Vegetables	487.90	512.25	483.81	41.0	42.3	41.6	11.90	12.11	11.63
Bakery Products	485.80	484.51	461.38	39.4	39.2	39.2	12.33	12.36	11.77
Apparel and Other Textile Products	297.98	302.10	304.59	38.4	38.0	39.1	7.76	7.95	7.79
Paper and Allied Products	504.02	514.77	491.89	43.6	44.3	43.3	11.56	11.62	11.36
Paperboard Containers and Boxes	434.00	449.71	423.52	42.3	43.2	41.4	10.26	10.41	10.23
Miscellaneous Converted Paper Products	478.82	469.31	442.83	44.5	44.4	43.5	10.76	10.57	10.18
Printing and Publishing	471.22	470.00	451.61	39.9	40.0	39.1	11.81	11.75	11.55
Newspapers	381.14	388.56	371.07	33.2	33.7	33.4	11.48	11.53	11.11
Commercial Printing	483.30	473.93	448.44	41.7	41.5	40.4	11.59	11.42	11.10
Chemicals and Allied Products	589.36	602.43	587.64	42.4	43.0	43.4	13.90	14.01	13.54
Plastics Materials and Synthetics	653.83	672.31	670.64	43.1	43.6	45.1	15.17	15.42	14.87
Rubber and Miscellaneous Plastics Products	443.56	442.21	450.02	41.3	41.6	42.9	10.74	10.63	10.49
Tires and Inner Tubes	717.10	709.20	666.44	45.3	45.0	44.4	15.83	15.76	15.01
Miscellaneous Plastics Products	426.18	421.07	442.21	40.9	41.0	43.1	10.42	10.27	10.26
Service-Producing Industries	.....	.....	.....	....	....	....	.....	.....	.....
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	624.98	615.08	561.19	42.2	42.1	40.2	14.81	14.61	13.96
Communications	558.69	561.39	532.73	39.4	39.9	39.2	14.18	14.07	13.59
Electric, Gas, and Sanitary Services	702.98	678.10	593.07	45.5	44.7	41.3	15.45	15.17	14.36
Wholesale Trade	412.11	410.16	398.04	39.1	39.1	39.1	10.54	10.49	10.18
Wholesale Trade-Durable Goods	406.90	403.90	389.26	39.2	39.1	39.2	10.38	10.33	9.93
Motor Vehicles, Parts, and Supplies	359.58	358.12	331.50	39.0	38.8	37.5	9.22	9.23	8.84
Metals and Minerals, Except Petroleum	479.52	474.43	453.90	42.1	41.8	42.7	11.39	11.35	10.63
Wholesale Trade-Nondurable Goods	420.51	421.11	414.57	38.9	39.1	39.0	10.81	10.77	10.63

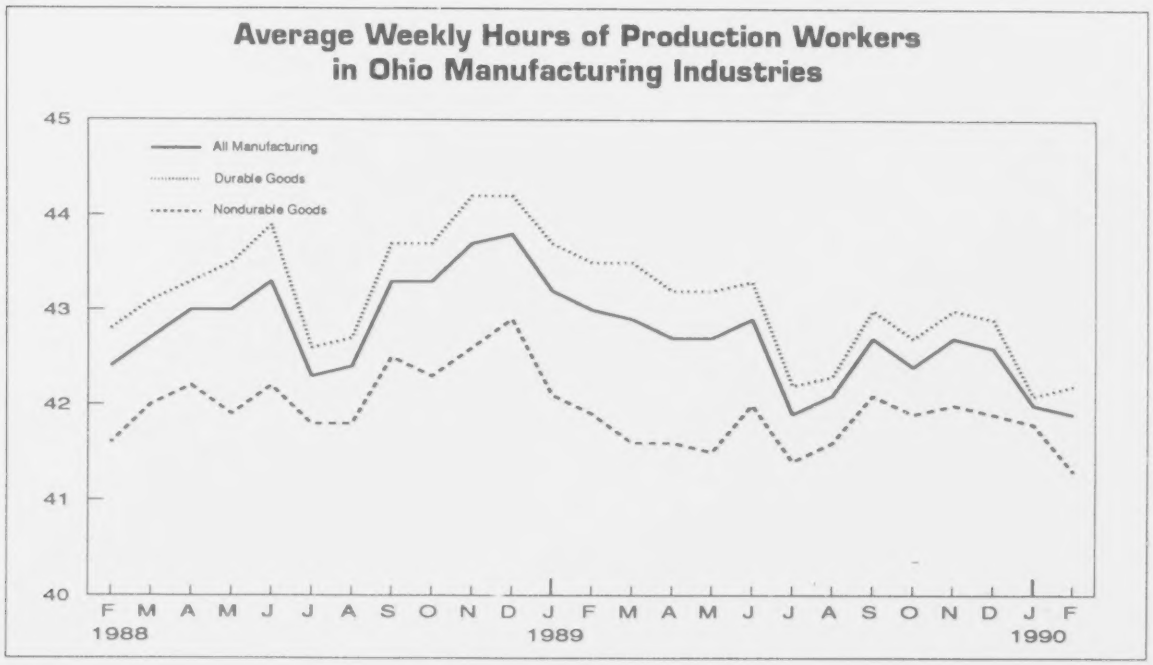
See footnotes on page 13.

Hours and Earnings of Production or Nonsupervisory Workers[a]

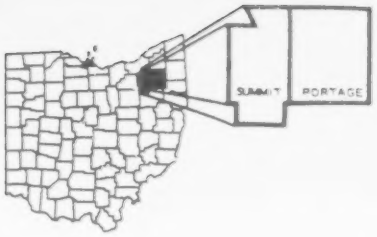
Not Seasonally Adjusted

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]
Retail Trade[h]	$173.53	$173.88	$170.69	27.5	27.6	28.2	$6.31	$6.30	$6.06
General Merchandise Stores	188.16	188.09	177.17	28.0	28.2	27.9	6.72	6.67	6.35
Department Stores	192.77	191.76	184.03	28.1	28.2	28.4	6.86	6.80	6.48
Finance, Insurance, and Real Estate	352.81	347.53	343.53	....	....	....	.....	.....	.....
Finance	326.15	323.09	317.42	....	....	....	.....	.....	.....
Depository Institutions	279.88	278.28	272.03	....	....	....	.....	.....	.....
Commercial Banks	279.51	277.10	273.34	....	....	....	.....	.....	.....
Insurance	416.48	410.14	404.12	....	....	....	.....	.....	.....
Insurance Carriers	401.70	400.39	391.22	....	....	....	.....	.....	.....
Life Insurance	372.41	369.57	361.21	....	....	....	.....	.....	.....
Fire, Marine, and Casualty Insurance	433.24	429.15	409.94	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Business Services	236.93	232.16	210.49	32.5	32.2	31.7	7.29	7.21	6.64
Health Services	313.23	312.59	293.86	31.8	31.8	31.7	9.85	9.83	9.27
Nursing and Personal Care Facilities	203.76	206.37	189.37	31.3	31.7	31.3	6.51	6.51	6.05
Hospitals	372.28	370.49	346.29	32.8	32.7	32.7	11.35	11.33	10.59
Engineering and Management Services	484.37	477.90	436.69	35.8	35.4	36.3	13.53	13.50	12.03
Engineering and Architectural Services	663.19	665.69	593.06	32.1	32.6	34.5	20.66	20.42	17.19
Research and Testing Services	393.52	380.10	351.73	37.3	36.2	35.6	10.55	10.50	9.88

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes miscellaneous manufacturing industries. [f]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Money payments only; tips not included. [i]Includes State universities, State schools for the deaf and blind, and the State library. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.



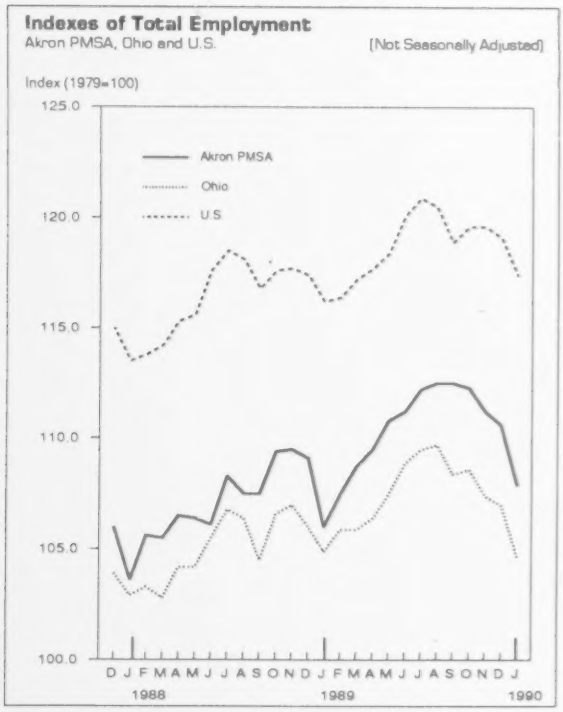
AKRON
PRIMARY METROPOLITAN STATISTICAL AREA

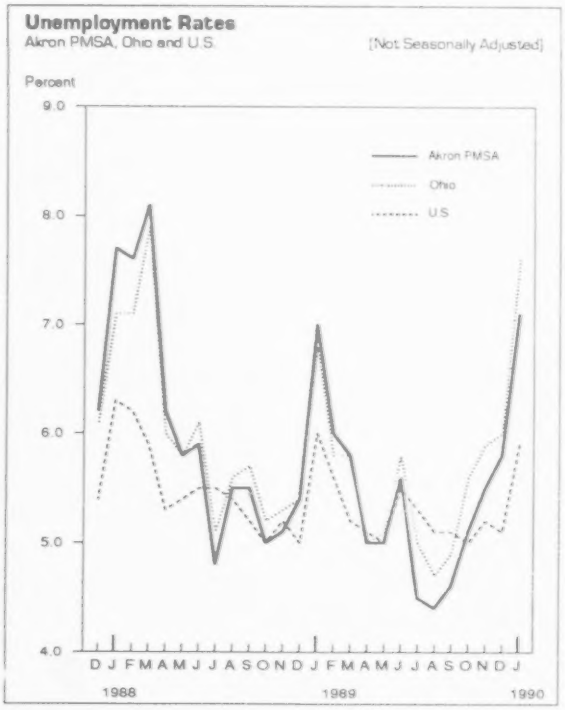


In the Akron metropolitan area, total nonfarm payroll employment rose 3,400 above the January level to 280,600 in February 1990. The partial return of nonteaching personnel in state schools and colleges and a modest increase in services raised employment in service-producing industries 3,300. Goods-producing industries, at 76,300, added 200 workers over the month due to improvement in durable-goods manufacturing, particularly fabricated metal products. Factory production workers averaged $11.63 per hour, up fractionally from January. Their average workweek was 0.3 hours shorter at 42.6 hours.

Nonagricultural wage and salary employment advanced 8,700 between February 1989 and February 1990. Most of the growth occurred in service-producing industries. Leading areas of expansion were services (+3,500) and retail trade (+2,400). Scattered improvements in manufacturing increased employment in goods-producing industries 700 during the period. Gains in rubber and miscellaneous plastics products, especially tires and inner tubes, and in industrial machinery and equipment more than offset a reduction in transportation equipment.

Seasonally adjusted employment in the Akron area increased 1,000 from January to 286,000 in February 1990. Services gained 1,000 while all other divisions were unchanged. Since February 1989, total payroll employment increased 9,000 mainly due to growth in services and retail trade. Wholesale trade, finance, insurance, and real estate, government, and manufacturing added 1,000 jobs each.





Akron PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	$321.57	41.6	$7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	381.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
320.3	297.5	22.7	7.1	1987	265.1	66.4	36.5	487.03	43.1	11.30
325.3	305.6	19.7	6.0	1988	272.7	66.2	37.7	502.28	43.3	11.60
333.0	315.1	17.8	5.4	1989	282.2	67.7	39.5	495.75	42.7	11.61
				1989						
326.2	306.7	19.6	6.0	February	271.9	66.7	39.1	489.60	42.5	11.52
329.5	310.3	19.2	5.8	March	278.8	67.5	39.5	495.62	42.8	11.58
328.8	312.4	16.4	5.0	April	281.2	67.7	39.8	493.85	42.5	11.62
332.8	316.2	16.6	5.0	May	284.9	68.1	40.0	495.32	42.7	11.60
336.0	317.3	18.7	5.6	June	283.0	68.4	40.2	483.49	42.3	11.43
335.3	320.1	15.1	4.5	July	281.6	68.5	40.1	482.05	42.1	11.45
336.0	321.1	14.9	4.4	August	281.6	68.0	39.7	491.18	42.6	11.53
336.5	321.1	15.4	4.6	September	289.1	68.1	39.7	511.49	43.2	11.84
337.8	320.6	17.2	5.1	October	288.5	67.9	39.4	497.78	42.4	11.74
335.9	317.3	18.6	5.5	November	289.1	67.8	39.1	502.79	42.9	11.72
335.3	315.7	19.5	5.8	December	289.4	67.7	38.9	504.70	43.1	11.71
				1990						
331.5	307.9	23.6	7.1	January	277.2	67.1	38.1	497.64	42.9	11.60
INA	INA	INA	INA	February	280.6	67.3	38.4	495.44	42.6	11.63

INA – information not available

Akron PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
271	95	9	86	1979	176	15	12	46	9	50	43
262	88	8	79	1980	175	14	12	45	9	50	44
260	84	8	76	1981	175	14	13	45	9	52	42
249	76	7	68	1982	173	13	12	45	9	52	41
245	73	7	65	1983	172	13	12	45	9	52	41
252	76	8	68	1984	176	13	13	47	9	53	41
258	77	8	68	1985	180	13	13	49	10	54	42
261	76	9	67	1986	184	13	14	50	10	56	42
265	76	9	66	1987	189	13	14	52	11	58	42
273	76	10	66	1988	196	13	15	53	11	62	43
282	78	10	68	1989	204	13	15	55	10	66	44
				1989							
277	78	10	67	February	199	13	15	54	10	64	42
282	79	10	68	March	203	13	16	55	10	65	44
281	78	10	68	April	203	13	15	55	10	65	44
282	78	10	68	May	203	13	15	55	10	66	44
283	78	10	68	June	205	13	15	55	10	67	44
283	78	10	68	July	204	13	15	55	10	67	43
284	78	10	68	August	205	13	16	55	11	67	44
284	78	10	68	September	206	13	16	55	11	67	44
284	78	10	68	October	206	13	16	56	11	67	44
285	78	10	68	November	207	13	16	56	11	68	44
286	78	10	68	December	208	13	16	56	11	68	44
				1990							
285	78	10	68	January	206	13	16	56	11	67	43
286	79	10	68	February	207	13	16	56	11	68	43

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Akron PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	From Last Month	From Last Year
Total	280.6	277.2	271.9	3.4	8.7
Goods-Producing Industries[g]	76.3	76.1	75.6	.2	.7
Construction	8.4	8.5	8.4	-.1	.0
Manufacturing	67.3	67.1	66.7	.3	.7
Durable Goods[e]	34.5	34.3	34.6	.2	-.1
Fabricated Metal Products	10.9	10.5	10.9	.5	.0
Fabricated Structural Metal Products	4.8	4.8	4.7	.0	.1
Industrial Machinery and Equipment	10.1	10.3	9.9	-.2	.2
Metalworking Machinery	3.9	3.9	3.7	.0	.2
Electronic and Other Electric Equipment	2.5	2.6	2.6	-.1	-.1
Transportation Equipment	4.9	5.0	5.5	.0	-.5
Nondurable Goods[f]	32.8	32.8	32.1	.1	.8
Food and Kindred Products	3.1	3.1	3.0	.0	.0
Chemicals and Allied Products	3.6	3.6	3.6	.0	.0
Rubber and Miscellaneous Plastics Products	20.4	20.3	19.5	.1	.8
Tires and Inner Tubes	11.4	11.4	10.4	.0	1.0
Service-Producing Industries	204.3	201.1	196.4	3.3	8.0
Transportation and Public Utilities	13.2	13.1	12.8	.0	.3
Communications, Electric, Gas Services	4.7	4.7	4.8	.0	-.1
Wholesale Trade	15.6	15.6	15.3	.0	.3
Retail Trade	54.7	55.0	52.3	-.4	2.4
General Merchandise Stores	7.6	8.0	6.2	-.4	1.4
Food Stores	9.0	8.9	8.7	.0	.2
Finance, Insurance, and Real Estate	10.5	10.5	10.1	.0	.4
Finance	5.4	5.4	5.1	.0	.3
Services	65.8	65.3	62.3	.5	3.5
Business Services	11.5	11.3	10.3	.2	1.1
Personnel Supply Services	3.0	2.9	2.7	.1	.3
Amusements, Including Motion Pictures	5.0	5.0	3.9	.1	1.1
Health Services	21.7	21.7	21.0	.0	.7
Nursing and Personal Care Facilities	3.8	3.8	3.6	.0	.2
Hospitals	10.9	10.9	10.7	.0	.2
Social Services	4.6	4.5	4.6	.0	.0
Engineering and Management Services	5.0	5.0	4.8	.0	.1
Government	44.6	41.5	43.5	3.1	1.1
Federal Government	2.4	2.4	2.4	.1	.0
State Government	15.7	13.0	14.9	2.6	.8
State Government Education[f]	12.8	10.2	12.0	2.6	.9
Local Government	26.5	26.1	26.2	.4	.3
Local Government Education	14.9	14.5	14.7	.4	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

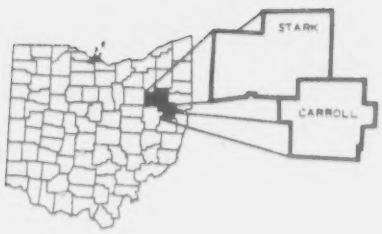
Not Seasonally Adjusted

Akron PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]
Manufacturing	$495.44	$497.64	$489.60	42.6	42.9	42.5	$11.63	$11.60	$11.52
Durable Goods[e]	502.47	498.50	506.97	42.8	42.9	43.0	11.74	11.62	11.79
Fabricated Metal Products	568.92	570.34	619.48	40.9	41.6	42.9	13.91	13.71	14.44
Fabricated Structural Metal Products	505.74	506.48	432.04	43.3	43.4	39.6	11.68	11.67	10.91
Industrial Machinery and Equipment	486.45	488.51	470.14	45.0	44.9	45.6	10.81	10.88	10.31
Metalworking Machinery	524.99	508.72	519.83	46.5	45.3	47.3	11.29	11.23	10.99
Electronic and Other Electric Equipment	413.09	393.09	390.17	41.6	40.4	40.1	9.93	9.73	9.73
Transportation Equipment	653.40	633.64	645.32	44.0	43.4	44.2	14.85	14.60	14.60
Nondurable Goods[f]	487.48	496.35	468.72	42.5	42.9	42.0	11.47	11.57	11.16
Food and Kindred Products	373.97	372.23	416.07	39.7	39.1	40.2	9.42	9.52	10.35
Chemicals and Allied Products	523.74	523.93	497.59	43.5	43.3	41.5	12.04	12.10	11.99
Rubber and Miscellaneous Plastics Products	492.05	510.34	470.61	43.2	44.3	42.9	11.39	11.52	10.97
Tires and Inner Tubes	803.52	796.10	757.56	48.0	47.9	47.2	16.74	16.62	16.05
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	592.11	591.95	574.90	40.5	40.6	40.6	14.62	14.58	14.16
Wholesale Trade	353.50	358.06	338.37	36.9	36.8	36.7	9.58	9.73	9.22
Retail Trade[h]	210.91	209.68	210.60	30.7	30.7	32.3	6.87	6.83	6.52
General Merchandise Stores	204.33	199.47	213.86	31.1	30.5	32.6	6.57	6.54	6.56
Food Stores	310.81	309.52	325.37	35.4	35.7	38.1	8.78	8.67	8.54
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	289.33	285.47	275.76	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [f]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products, leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

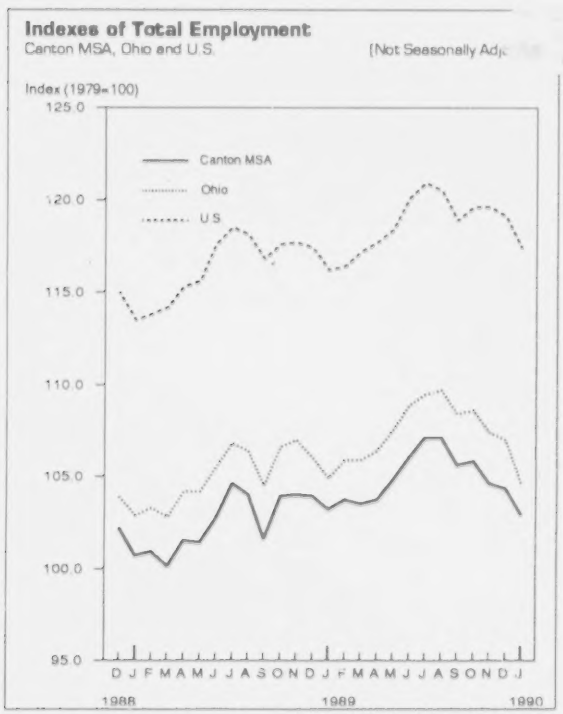
CANTON METROPOLITAN STATISTICAL AREA

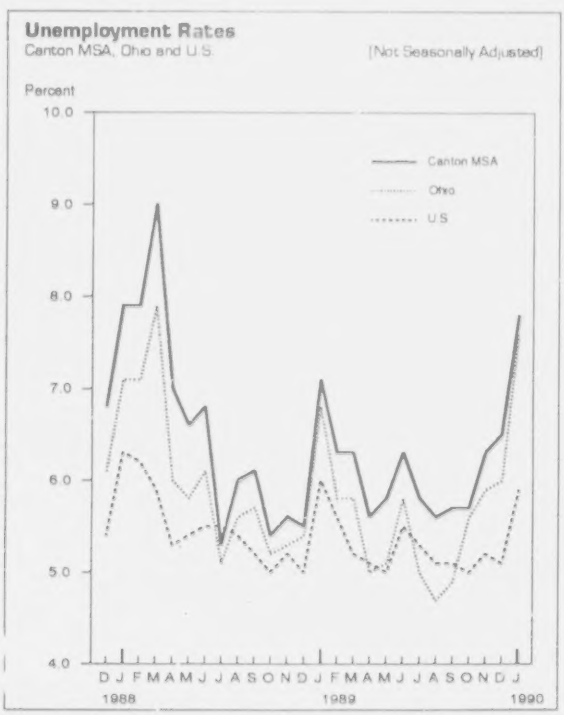


Nonagricultural payroll employment in the Canton metropolitan area totaled 162,800 in February 1990, down 200 from the January level. Less business in construction lowered employment in goods-producing industries 200 to 52,200. Improvement in durable-goods manufacturing, especially primary metal industries, offset a decline in nondurable-goods manufacturing. Employment in service-producing industries decreased 100 from last month. A continued reduction of seasonal workers in retail trade overshadowed a modest gain in services. Manufacturing production workers averaged $11.25 per hour, little changed from January. Their average workweek of 41.9 hours was 0.4 hours shorter.

Total nonfarm wage and salary employment advanced 2,000 between February 1989 and February 1990. The growth was concentrated in service-producing industries. Moderate improvements occurred in retail trade (+1,400) and services (+1,200). Employment in goods-producing industries decreased 600 primarily due to reductions in manufacturing. Noteworthy declines were recorded in primary metal industries, fabricated metal products, and rubber and miscellaneous plastics products.

Seasonally adjusted employment in the Canton area rose 1,000 above the January level to 167,000 in February 1990. All major divisions were virtually unchanged from last month. Since February 1989, total payroll employment increased 2,000. Growth in retail trade and services overshadowed declines in wholesale trade and manufacturing.





Canton MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	$330.88	40.9	$8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
190.4	174.7	15.7	8.2	1987	156.4	44.0	31.2	475.15	41.9	11.34
190.5	178.0	12.6	6.6	1988	160.1	45.3	32.4	462.21*	42.6*	10.85*
194.1	182.3	11.8	6.1	1989	164.1	45.6	32.5	466.91	41.8	11.17
				1989						
192.3	180.1	12.2	6.3	February	160.8	46.1	33.1	463.94	42.1	11.02
191.8	179.7	12.1	6.3	March	162.2	46.2	33.1	464.67	41.9	11.09
190.9	180.1	10.8	5.6	April	163.0	46.0	33.1	469.56	42.0	11.18
193.3	182.0	11.2	5.8	May	164.7	46.2	33.2	470.82	42.0	11.21
196.6	184.2	12.4	6.3	June	165.7	46.4	33.3	476.30	42.3	11.26
197.4	186.0	11.5	5.8	July	165.2	45.9	32.9	454.92	40.8	11.15
197.0	186.1	10.9	5.6	August	164.9	45.9	33.1	464.21	41.3	11.24
194.5	183.5	11.0	5.7	September	166.3	46.0	33.3	466.99	41.4	11.28
194.9	183.8	11.1	5.7	October	161.8	40.6	28.1	456.08	41.2	11.07
193.8	181.7	12.1	6.3	November	166.5	45.7	31.8	462.26	41.2	11.22
193.9	181.2	12.7	6.5	December	167.2	45.6	31.8	467.87	41.7	11.22
				1990						
193.8	178.7	15.1	7.8	January	163.1	45.5	31.8	475.45	42.3	11.24
INA	INA	INA	INA	February	162.8	45.5	31.9	471.38	41.9	11.25

INA – information not available

*Not comparable to previous estimates due to change in estimating methodology.

Canton MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
161	67	6	59	1979	94	8	7	27	6	28	18
157	62	5	56	1980	95	7	7	26	6	29	19
157	61	5	55	1981	95	7	8	26	6	30	19
149	54	5	48	1982	95	6	8	26	6	30	18
143	49	4	44	1983	94	6	7	26	6	31	18
149	53	5	46	1984	97	6	8	27	6	31	18
151	53	5	46	1985	99	6	8	29	6	32	18
152	50	5	44	1986	102	6	8	30	6	33	18
156	51	6	44	1987	106	6	8	31	7	36	18
160	52	6	45	1988	108	6	8	32	7	37	19
164	53	7	46	1989	111	6	9	33	7	38	19
				1989							
165	55	8	47	February	110	6	9	32	7	37	19
165	55	7	47	March	110	6	9	33	7	38	19
164	54	7	46	April	110	6	8	32	7	38	19
164	54	7	46	May	110	6	8	32	7	38	19
164	54	7	46	June	110	6	8	33	7	38	19
164	53	7	46	July	111	6	9	33	7	38	19
164	53	7	46	August	111	6	8	33	7	38	19
165	53	7	46	September	111	6	9	33	7	38	19
160	48	7	40	October	112	6	9	33	7	38	19
165	53	7	46	November	111	6	9	33	7	38	19
166	53	7	46	December	112	6	9	33	7	39	19
				1990							
166	54	7	46	January	112	6	8	34	7	39	19
167	54	7	46	February	112	6	8	34	7	39	19

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Canton MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	From Last Month	From Last Year
Total	162.8	163.1	160.8	-.2	2.0
Goods-Producing Industries[g]	52.2	52.3	52.8	-.2	-.6
Construction	5.9	6.1	6.0	-.2	-.1
Manufacturing	45.5	45.5	46.1	.0	-.6
Durable Goods[e]	33.8	33.7	34.3	.2	-.5
Primary Metal Industries	11.4	11.2	11.8	.2	-.4
Fabricated Metal Products	6.1	6.2	6.5	.0	-.4
Electronic and Other Electric Equipment	4.2	4.1	4.2	.0	-.1
Nondurable Goods[f]	11.7	11.8	11.7	-.1	-.1
Food and Kindred Products	3.3	3.4	3.2	-.1	.1
Rubber and Miscellaneous Plastics Products	3.0	2.9	3.2	.0	-.3
Service-Producing Industries	110.7	110.7	108.0	-.1	2.6
Transportation and Public Utilities	5.4	5.5	5.6	.0	-.2
Communications, Electric, Gas Services	2.7	2.7	2.7	.0	.0
Wholesale Trade	8.3	8.4	8.4	-.1	-.2
Retail Trade	32.4	32.9	31.0	-.5	1.4
General Merchandise Stores	4.0	4.2	3.6	-.2	.4
Food Stores	5.5	5.6	5.4	-.1	.1
Finance, Insurance, and Real Estate	6.7	6.7	6.7	.0	.0
Finance	3.9	3.9	3.8	.0	.1
Services	38.0	37.7	36.8	.4	1.2
Health Services	15.7	15.7	15.2	.0	.4
Nursing and Personal Care Facilities	3.8	3.8	3.7	.0	.1
Hospitals	7.3	7.3	7.1	.0	.2
Government	19.8	19.6	19.4	.2	.4
Federal Government	1.4	1.4	1.4	.0	.0
State Government (Includes Education)	1.7	1.6	1.7	.1	.0
Local Government	16.7	16.6	16.3	.2	.4
Local Government Education	10.2	10.1	9.9	.1	.3

Hours and Earnings of Production or Nonsupervisory Workers[a]

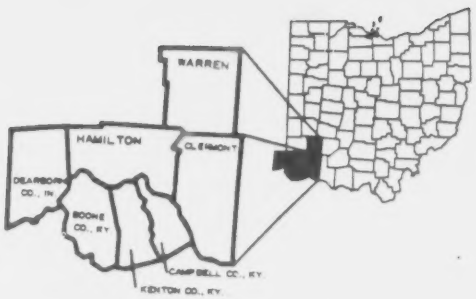
Not Seasonally Adjusted

Canton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]
Manufacturing	$471.38	$475.45	$463.94	41.9	42.3	42.1	$11.25	$11.24	$11.02
Durable Goods[e]	493.00	504.74	490.63	42.5	43.4	43.0	11.60	11.63	11.41
Primary Metal Industries	507.20	542.27	522.77	43.8	45.8	46.1	11.58	11.84	11.34
Fabricated Metal Products	483.57	491.97	480.76	40.5	41.1	40.4	11.94	11.97	11.90
Electronic and Other Electric Equipment	563.99	561.56	511.24	41.5	41.2	39.6	13.59	13.63	12.91
Nondurable Goods[f]	405.01	386.67	379.46	40.1	38.9	39.2	10.10	9.94	9.68
Food and Kindred Products	429.86	390.57	369.41	40.4	37.7	38.4	10.64	10.36	9.62
Rubber and Miscellaneous Plastics Products	400.46	395.09	406.69	41.2	40.9	42.1	9.72	9.66	9.66
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	573.20	572.80	554.61	40.0	40.0	39.7	14.33	14.32	13.97
Wholesale Trade	383.85	371.48	380.83	38.5	38.1	37.3	9.97	9.75	10.21
Retail Trade[h]	171.82	169.96	162.73	28.4	28.0	28.6	6.05	6.07	5.69
General Merchandise Stores	196.14	189.08	194.66	29.9	29.0	30.8	6.56	6.52	6.32
Food Stores	168.60	160.29	152.05	28.1	27.4	27.2	6.00	5.85	5.59
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Nursing and Personal Care Facilities	183.89	184.80	168.13	29.9	30.0	29.6	6.15	6.16	5.68

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [f]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Depressed due to labor-management disputes.

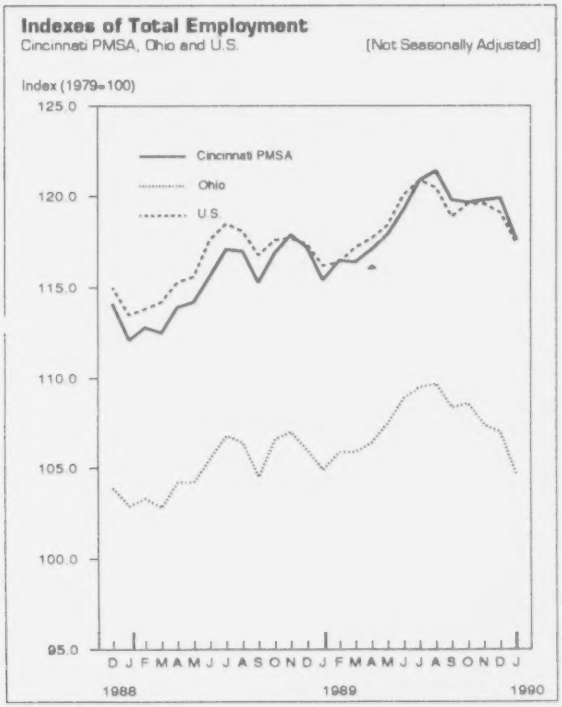
CINCINNATI
PRIMARY METROPOLITAN STATISTICAL AREA

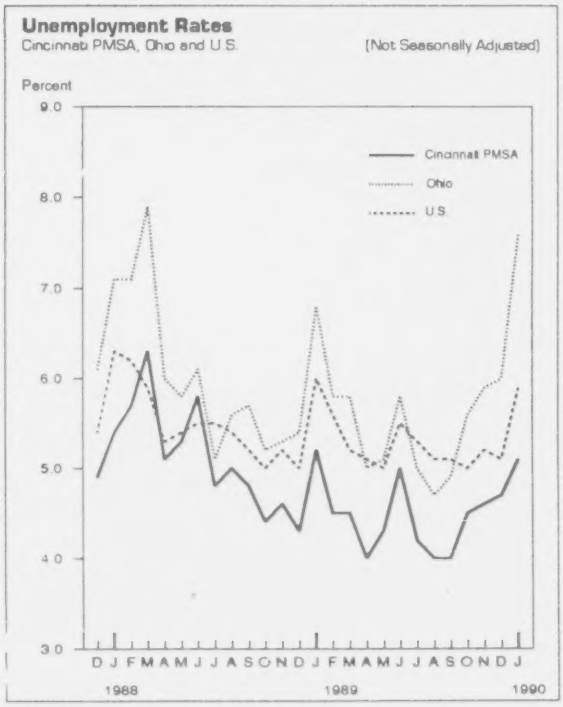


Total nonfarm payroll employment in the Cincinnati metropolitan area rose 1,900 above the January level to 728,100 in February 1990. The number of employees in service-producing industries increased 2,600. Improvements in local and federal government and in services overshadowed a continued reduction of seasonal workers in retail trade. Employment in goods-producing industries declined 700 to 180,400. Seasonal decreases in construction negated a nominal gain in manufacturing. Factory production workers averaged $11.72 per hour, down fractionally from January. Their average workweek of 42.6 hours was 0.2 hours shorter.

Nonagricultural wage and salary employment advanced 23,600 between February 1989 and February 1990. Service-producing industries increased 18,200. Leading areas of expansion were retail trade (+7,900) and services (+4,900). Noteworthy improvements also occurred in transportation and public utilities and in wholesale trade. Goods-producing industries added 5,400 jobs during the period with moderate growth in manufacturing, particularly transportation equipment, food and kindred products, and printing and publishing.

Seasonally adjusted employment in the Cincinnati area totaled 744,000 in February 1990, up 3,000 from January. Modest gains were recorded in manufacturing, wholesale trade, retail trade, and services. Since February 1989, total payroll employment rose 24,000. Primary growth sectors were retail trade, services, and manufacturing.





Cincinnati PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	$303.37	41.5	$7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.3	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.2	700.2	44.0	5.9	1987	677.7	146.0	93.4	467.57	42.7	10.95
762.7	723.7	39.0	5.1	1988	701.6	145.7	92.5	476.15	42.4	11.23
780.3	745.4	34.9	4.5	1989	726.4	146.7	92.6	497.64	42.9	11.60
				1989						
766.4	731.9	34.6	4.5	February	704.5	144.2	91.1	495.92	42.9	11.56
765.9	731.1	34.8	4.5	March	713.1	144.8	91.4	490.14	42.4	11.56
766.4	735.6	30.8	4.0	April	717.9	144.8	91.3	494.04	42.7	11.57
774.2	740.5	33.8	4.4	May	722.9	144.7	91.3	487.90	42.5	11.48
788.4	749.3	39.1	5.0	June	729.2	146.2	92.1	500.39	43.1	11.61
793.0	759.4	33.6	4.2	July	727.7	146.4	92.0	484.15	42.1	11.50
793.8	762.3	31.5	4.0	August	730.9	147.8	93.1	503.41	43.1	11.68
784.3	752.7	31.5	4.0	September	738.0	148.9	94.1	506.48	43.4	11.67
787.4	751.9	35.5	4.5	October	739.2	148.8	94.3	508.21	43.4	11.71
788.5	752.2	36.3	4.6	November	743.8	149.5	94.6	511.13	43.5	11.75
790.8	753.4	37.3	4.7	December	748.2	149.7	94.8	498.19	42.8	11.64
				1990						
778.2	738.8	39.4	5.1	January	726.3	148.9	93.7	502.04	42.8	11.73
INA	INA	INA	INA	February	728.1	149.1	93.9	499.27	42.6	11.72

INA – information not available

Cincinnati PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
607	201	27	173	1979	406	34	38	102	32	117	83
601	188	25	162	1980	413	34	39	102	33	122	84
592	180	22	157	1981	412	33	38	102	33	124	82
575	167	20	146	1982	408	32	37	102	32	124	80
576	161	20	140	1983	414	31	37	105	33	130	79
601	167	22	145	1984	433	32	39	111	34	137	79
628	171	23	147	1985	457	34	41	118	36	147	81
651	174	26	148	1986	477	33	42	122	38	156	85
678	176	30	146	1987	502	36	44	127	40	168	87
702	178	32	146	1988	524	38	45	135	42	176	88
726	181	34	147	1989	545	39	48	142	43	183	90
				1989							
720	181	35	146	February	539	39	47	140	42	181	90
724	182	35	146	March	542	39	47	141	43	183	90
719	180	34	146	April	539	39	47	140	43	180	90
719	180	34	145	May	539	39	47	140	43	180	89
723	181	34	146	June	542	39	47	142	43	182	90
726	181	34	146	July	545	39	48	142	43	183	90
729	181	34	147	August	547	40	48	143	43	183	91
730	182	34	148	September	548	40	48	144	43	184	90
733	183	34	148	October	551	40	48	145	43	185	90
737	183	35	148	November	554	40	49	145	43	188	90
740	184	35	148	December	556	40	49	146	43	189	90
				1990							
741	186	35	150	January	555	41	48	147	43	185	91
744	186	35	151	February	558	41	49	148	43	186	91

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Cincinnati PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	From Last Month	From Last Year
Total	728.1	726.3	704.5	1.9	23.6
Goods-Producing Industries[g]	180.4	181.1	175.0	-.7	5.4
Construction	30.9	31.8	30.4	-.9	.4
Manufacturing	149.1	148.9	144.2	.2	5.0
Durable Goods[e]	80.7	80.6	77.9	.1	2.8
Fabricated Metal Products	12.2	12.4	12.1	-.1	.2
Fabricated Structural Metal Products	4.5	4.6	4.3	-.1	.2
Industrial Machinery and Equipment	19.6	19.5	19.2	.1	.4
Electronic and Other Electric Equipment	7.9	8.0	7.7	.0	.2
Transportation Equipment	24.8	24.8	23.4	.0	1.3
Motor Vehicles and Equipment	5.0	5.0	5.0	.0	.0
Instruments and Related Products	3.7	3.7	3.5	.0	.3
Nondurable Goods[f]	68.5	68.3	66.3	.1	2.1
Food and Kindred Products	12.6	12.5	11.7	.1	.9
Beverages	2.8	2.8	2.9	.0	-.1
Apparel and Other Textile Products	3.7	3.7	3.5	.1	.2
Paper and Allied Products	6.0	6.0	5.7	.0	.2
Printing and Publishing	14.6	14.6	14.0	.0	.6
Commercial Printing	6.3	6.4	6.1	.0	.3
Chemicals and Allied Products	22.3	22.3	22.5	.0	-.2
Rubber and Miscellaneous Plastics Products	6.6	6.6	6.5	.0	.1
Service-Producing Industries	547.7	545.1	529.5	2.6	18.2
Transportation and Public Utilities	39.9	39.8	37.9	.2	2.1
Transportation	23.7	23.5	22.1	.1	1.5
Trucking and Warehousing	10.7	10.6	9.9	.1	.8
Transportation by Air	6.3	6.2	5.8	.1	.5
Communications, Electric, Gas Services	16.3	16.3	15.7	.0	.5
Communications	9.8	9.8	9.7	.0	.0
Wholesale Trade	48.5	48.4	46.9	.1	1.6
Wholesale Trade-Durable Goods	28.8	28.8	28.3	.0	.5
Retail Trade	143.1	144.4	135.3	-1.3	7.9
General Merchandise Stores	21.7	22.4	19.8	-.7	1.9
Finance, Insurance, and Real Estate	42.5	42.5	41.9	.0	.6
Finance	17.3	17.3	17.1	-.1	.2
Depository Institutions	13.6	13.7	13.4	-.1	.2
Commercial Banks	9.4	9.5	9.3	-.1	.1
Insurance	17.1	17.1	17.0	.0	.1
Insurance Carriers	14.3	14.3	14.5	.0	-.2
Life Insurance	6.9	6.9	7.0	.0	-.1
Fire, Marine, and Casualty Insurance	5.1	5.1	5.0	.0	.1
Services	180.7	179.0	175.8	1.7	4.9
Hotels and Other Lodging Places	7.1	7.0	6.8	.1	.3
Personal Services	8.8	8.7	8.5	.1	.4
Business Services	36.0	35.6	35.8	.5	.2
Services to Buildings	6.0	5.7	5.9	.3	.1
Computer and Data Processing Services	4.7	4.6	4.3	.1	.3
Amusements, Including Motion Pictures	8.5	8.6	8.1	.0	.4
Health Services	56.9	56.6	55.1	.3	1.7
Nursing and Personal Care Facilities	11.0	11.0	10.6	.0	.4
Hospitals	27.4	27.2	26.8	.2	.6
Legal Services	4.4	4.4	4.1	.0	.3
Educational Services	7.2	6.8	7.3	.3	-.1
Social Services	12.2	12.1	11.7	.1	.4
Residential Care	4.7	4.7	4.5	.0	.2
Engineering and Management Services	16.3	16.0	16.0	.2	.2
Engineering and Architectural Services	5.6	5.6	5.5	.0	.1
Government	93.0	91.0	91.8	2.0	1.2
Federal Government	17.0	16.2	17.1	.7	-.1
State Government	21.6	21.2	20.8	.3	.8
State Government Education[i]	13.5	13.2	13.0	.3	.5
Local Government	54.5	53.6	53.9	.9	.6
Local Government Education	31.5	30.6	31.3	.8	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

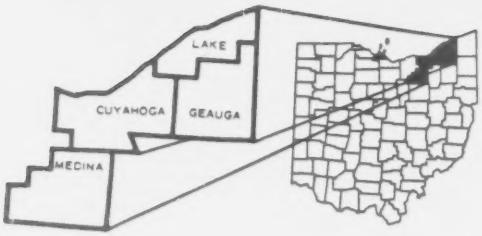
Not Seasonally Adjusted

Cincinnati PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]
Manufacturing	$499.27	$502.04	$495.92	42.6	42.8	42.9	$11.72	$11.73	$11.56
Durable Goods[e]	489.77	488.35	496.37	42.7	42.8	43.2	11.47	11.41	11.49
Fabricated Metal Products	418.06	413.40	426.96	42.4	42.4	41.9	9.86	9.75	10.19
Fabricated Structural Metal Products	453.78	444.79	458.96	43.3	43.1	41.8	10.48	10.32	10.98
Industrial Machinery and Equipment	477.17	466.47	455.61	43.3	42.6	42.7	11.02	10.95	10.67
Electronic and Other Electric Equipment	367.03	386.14	350.46	40.2	41.7	39.6	9.13	9.26	8.85
Transportation Equipment	729.18	725.40	786.14	44.9	45.0	48.2	16.24	16.12	16.31
Motor Vehicles and Equipment	742.57	792.90	884.49	43.4	45.7	50.6	17.11	17.35	17.48
Instruments and Related Products	349.02	359.89	335.58	41.6	43.1	42.0	8.39	8.35	7.99
Nondurable Goods[f]	509.15	515.74	495.44	42.5	42.8	42.6	11.98	12.05	11.63
Food and Kindred Products	507.72	515.22	469.17	43.1	43.7	41.3	11.78	11.79	11.36
Beverages	571.10	573.73	499.49	43.2	43.3	39.8	13.22	13.25	12.55
Apparel and Other Textile Products	247.04	254.02	235.01	38.6	39.2	39.3	6.40	6.48	5.98
Paper and Allied Products	460.40	461.74	451.99	42.2	42.4	42.6	10.91	10.89	10.61
Printing and Publishing	532.44	498.00	463.96	43.5	41.5	40.1	12.24	12.00	11.57
Commercial Printing	568.87	510.51	505.18	46.1	42.9	43.4	12.34	11.90	11.64
Chemicals and Allied Products	602.93	647.35	614.94	42.4	44.4	44.4	14.22	14.58	13.85
Rubber and Miscellaneous Plastics Products	432.43	407.40	433.62	43.2	42.0	45.5	10.01	9.70	9.53
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	572.75	580.55	567.00	39.5	39.9	40.5	14.50	14.55	14.00
Communications	579.61	577.28	567.38	38.9	38.9	39.9	14.90	14.84	14.22
Wholesale Trade	437.34	434.58	415.74	39.4	39.4	39.0	11.10	11.03	10.66
Retail Trade[h]	170.78	168.30	167.31	27.5	27.5	28.6	6.21	6.12	5.85
General Merchandise Stores	210.87	209.10	195.79	29.7	30.0	29.8	7.10	6.97	6.57
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	.....	.....	.....	....	....	....	.....	.....	.....
Depository Institutions	301.82	303.43	270.12	....	....	....	.....	.....	.....
Commercial Banks	273.51	273.04	259.58	....	....	....	.....	.....	.....
Insurance	.....	.....	.....	....	....	....	.....	.....	.....
Insurance Carriers	408.33	407.47	398.82	....	....	....	.....	.....	.....
Life Insurance	418.78	418.13	409.20	....	....	....	.....	.....	.....
Fire, Marine, and Casualty Insurance	420.12	418.44	390.47	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	425.43	430.01	376.03	32.5	32.7	32.5	13.09	13.15	11.57
Engineering and Management Services	.....	.....	.....	....	....	....	.....	.....	.....
Engineering and Architectural Services	649.54	641.84	577.82	40.8	40.7	41.6	15.92	15.77	13.89

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; miscellaneous manufacturing industries. [f]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

CLEVELAND
PRIMARY METROPOLITAN STATISTICAL AREA

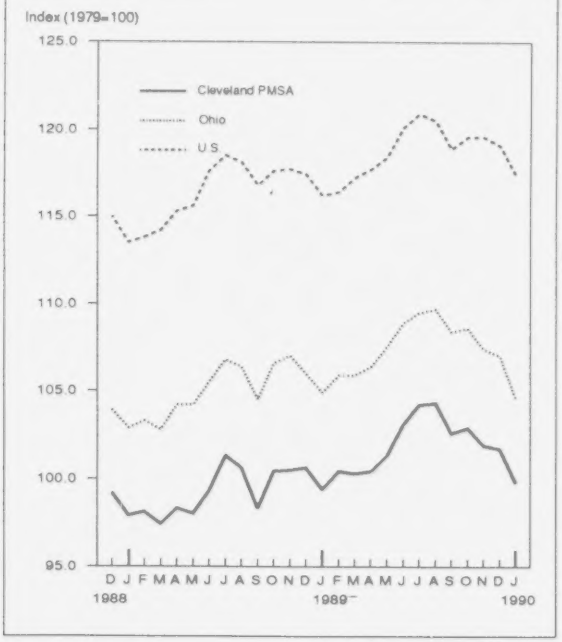


Nonfarm wage and salary employment in the Cleveland metropolitan area totaled 928,100 in February 1990, up 1,700 from the January level. Service-producing industries added 1,400 jobs. The return of nonteaching personnel in local schools and more business in services overshadowed seasonal layoffs in retail trade. Employment in goods-producing industries increased 300 to 235,700. The recall of workers in durable-goods manufacturing, especially metal forgings and stampings and motor vehicles and equipment, more than offset a decline in construction. Factory production workers averaged $11.86 per hour, up 15 cents from January. Their average workweek of 42.1 hours was 0.2 hours shorter.

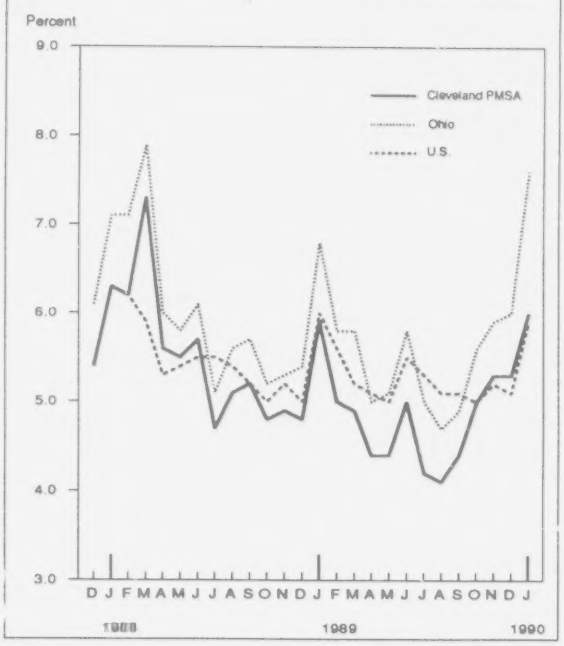
Nonagricultural payroll employment advanced 16,700 between February 1989 and February 1990. A major portion of the improvement occurred in service-producing industries. Leading growth sectors were services, retail trade, local government, and wholesale trade. Goods-producing industries gained 1,600 workers during the period. Moderate expansion in construction, especially special trade contractors, and in nondurable-goods manufacturing more than offset a decline in durable-goods manufacturing.

Seasonally adjusted employment in the Cleveland area increased 3,000 from the January level to 948,000 in February 1990. Modest gains occurred in construction, manufacturing, wholesale trade, and retail trade. Since February 1989, total payroll employment advanced 17,000. The improvement was concentrated in service-producing industries, especially services and retail trade.

Indexes of Total Employment
Cleveland PMSA, Ohio and U.S. (Not Seasonally Adjusted)



Unemployment Rates
Cleveland PMSA, Ohio and U.S. (Not Seasonally Adjusted)



Cleveland PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	$337.60	42.2	$8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.40	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	1986	879.2	204.8	131.5	481.62	42.1	11.44
927.0	869.0	58.0	6.3	1987	891.6	200.6	128.3	496.35	42.9	11.57
933.7	882.3	51.4	5.5	1988	911.3	203.3	131.1	508.65	43.4	11.72
951.7	905.7	46.0	4.8	1989	935.2	207.0	133.3	509.87	43.1	11.83
				1989						
939.5	892.9	46.7	5.0	February	911.5	206.1	133.4	513.42	43.4	11.83
937.8	891.4	46.4	4.9	March	920.7	206.9	134.0	517.85	43.7	11.85
933.2	892.6	40.6	4.4	April	922.0	206.0	133.3	517.53	43.6	11.87
942.6	900.7	41.9	4.4	May	933.8	207.1	133.4	511.49	43.2	11.84
964.9	916.3	48.6	5.0	June	944.6	208.4	133.9	511.69	43.4	11.79
967.2	926.4	40.8	4.2	July	943.5	206.0	131.7	484.78	41.9	11.57
967.4	927.6	39.8	4.1	August	941.6	206.6	132.1	494.49	42.3	11.69
953.8	912.1	41.6	4.4	September	945.9	207.7	133.3	517.65	43.5	11.90
963.3	915.2	48.1	5.0	October	947.7	207.4	133.3	507.94	42.9	11.84
956.2	905.8	50.5	5.3	November	949.2	207.9	133.7	509.98	43.0	11.86
954.9	904.0	50.9	5.3	December	953.5	208.2	133.8	511.70	43.0	11.90
				1990						
944.3	887.3	57.0	6.0	January	926.5	205.6	131.3	495.33	42.3	11.71
INA	INA	INA	INA	February	928.1	206.6	132.2	499.31	42.1	11.86

INA – information not available

Cleveland PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
920	311	34	276	1979	608	48	66	147	48	182	118
896	286	30	255	1980	610	46	64	141	48	188	123
881	276	28	247	1981	605	45	63	137	48	192	120
845	249	25	223	1982	595	43	61	134	48	192	117
830	234	25	207	1983	596	41	59	136	48	196	116
854	243	28	214	1984	612	42	62	141	49	204	115
869	240	28	211	1985	629	41	63	146	50	213	116
879	232	26	205	1986	647	41	62	150	52	225	116
892	230	28	201	1987	662	41	61	154	55	233	117
911	234	29	203	1988	678	41	64	157	56	243	116
935	241	33	207	1989	694	42	66	159	57	252	118
				1989							
931	240	32	208	February	690	41	66	159	57	250	118
936	241	33	208	March	694	42	66	159	57	252	119
928	240	33	207	April	688	42	66	158	57	250	116
931	240	33	207	May	691	42	66	158	57	250	118
933	241	33	207	June	693	42	66	158	57	251	118
934	239	33	206	July	694	42	66	159	57	253	117
935	240	33	207	August	694	42	67	160	57	253	116
939	240	33	207	September	698	42	67	160	57	253	119
940	240	33	207	October	700	42	67	160	57	253	120
941	241	33	207	November	700	43	67	161	57	254	119
944	242	34	207	December	702	43	67	161	57	255	119
				1990							
945	241	33	207	January	704	43	67	161	58	255	120
948	242	34	208	February	706	43	68	162	58	255	120

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Cleveland PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	From Last Month	From Last Year
Total	928.1	926.5	911.5	1.7	16.7
Goods-Producing Industries[g]	235.7	235.5	234.1	.3	1.6
Construction	28.3	29.0	27.1	-.7	1.1
Special Trade Contractors	19.6	20.1	18.3	-.5	1.4
Manufacturing	206.6	205.6	206.1	1.0	.5
Durable Goods[e]	141.4	140.3	141.9	1.1	-.5
Stone, Clay, and Glass Products	3.5	3.5	3.4	.0	.0
Primary Metal Industries	20.7	21.2	21.1	-.4	-.4
Iron and Steel Foundries	4.5	4.6	4.6	-.1	-.2
Fabricated Metal Products	34.6	33.4	34.6	1.2	-.1
Screw Machine Products, Bolts, etc.	5.0	5.1	5.1	-.1	-.1
Metal Forgings and Stampings	11.1	10.1	11.5	1.1	-.3
Industrial Machinery and Equipment	33.4	33.5	33.5	-.2	-.2
Metalworking Machinery	12.8	12.8	12.9	.0	-.1
Electronic and Other Electric Equipment	15.2	15.4	15.5	.2	-.3
Electrical Industrial Apparatus	4.4	4.5	4.3	-.1	.1
Electric Lighting and Wiring Equipment	5.2	5.2	5.2	.0	.0
Transportation Equipment	19.5	18.7	19.3	.8	.1
Motor Vehicles and Equipment	12.3	11.6	12.1	.8	.2
Instruments and Related Products	7.0	7.1	6.9	-.1	.1
Measuring and Controlling Devices	4.9	4.9	4.8	.0	.2
Nondurable Goods[f]	65.2	65.3	64.2	-.1	1.0
Food and Kindred Products	6.6	6.6	6.6	.0	.0
Apparel and Other Textile Products	3.3	3.3	3.4	.0	-.1
Paper and Allied Products	5.9	5.9	6.0	.0	-.1
Printing and Publishing	16.9	16.9	16.4	.0	.6
Chemicals and Allied Products	14.7	14.7	14.4	.0	.3
Rubber and Miscellaneous Plastics Products	11.9	12.1	11.9	-.2	-.1
Miscellaneous Plastics Products	7.4	7.6	7.2	-.2	.3
Service-Producing Industries	692.4	691.0	677.4	1.4	15.1
Transportation and Public Utilities	41.6	41.8	40.1	-.3	1.4
Transportation	24.2	24.4	22.8	-.2	1.4
Trucking and Warehousing	11.2	11.2	11.0	.0	.2
Transportation by Air	5.4	5.4	4.8	.1	.6
Communications, Electric, Gas Services	17.4	17.4	17.3	-.1	.0
Communications	10.2	10.2	10.3	.0	-.1
Electric, Gas, and Sanitary Services	7.2	7.2	7.1	.0	.1
Wholesale Trade	67.0	66.9	64.9	.0	2.0
Wholesale Trade-Durable Goods	45.6	45.6	44.2	.0	1.4
Motor Vehicles, Parts, and Supplies	4.0	4.0	4.1	.0	-.1
Professional and Commercial Equipment	9.0	9.0	8.9	0	.2
Retail Trade	157.1	158.5	153.8	-1.5	3.2
General Merchandise Stores	20.9	21.5	20.7	-.6	.1
Finance, Insurance, and Real Estate	57.0	56.9	56.3	.1	.8
Finance	27.9	27.9	27.7	.0	.2
Depository Institutions	20.5	20.6	20.5	-.1	.0
Commercial Banks	13.0	13.0	12.6	-.1	.4
Insurance	18.4	18.3	18.2	.2	.3
Insurance Carriers	14.0	13.9	13.7	.1	.3
Fire, Marine, and Casualty Insurance	6.3	6.3	6.3	.0	.1
Services	249.7	248.1	244.8	1.6	4.9
Business Services	51.7	51.8	50.1	.0	1.7
Personnel Supply Services	19.4	19.6	19.3	-.2	.2
Computer and Data Processing Services	6.7	6.6	6.0	.1	.7
Amusements, Including Motion Pictures	8.6	8.7	9.3	-.1	-.7
Health Services	78.9	78.7	77.5	.1	1.4
Nursing and Personal Care Facilities	13.4	13.3	13.1	.1	.4
Hospitals	43.6	43.6	43.4	.0	.2
Legal Services	9.6	9.5	9.1	.1	.5
Educational Services	18.4	17.6	19.2	.8	-.8
Social Services	13.7	13.7	13.1	.1	.6
Residential Care	3.6	3.6	3.4	.1	.3
Engineering and Management Services	21.2	21.0	20.8	.2	.4
Engineering and Architectural Services	7.7	7.6	7.4	.1	.4
Accounting, Auditing, and Bookkeeping	6.5	6.4	6.7	.1	-.2
Management and Public Relations	4.5	4.4	4.2	.0	.2
Government	120.1	118.7	117.4	1.4	2.7
Federal government	20.2	20.5	20.6	-.3	-.4
State government	7.8	7.7	8.2	.2	-.4
State government education[i]	2.9	2.7	3.3	.2	-.4
Local government	92.1	90.5	88.6	1.5	3.4
Local government education	48.1	46.9	46.1	1.2	2.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

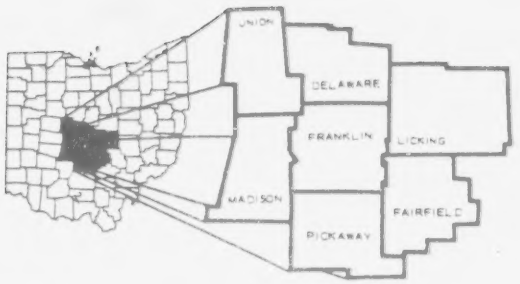
Not Seasonally Adjusted

Cleveland PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]
Manufacturing	$499.31	$495.33	$513.42	42.1	42.3	43.4	$11.86	$11.71	$11.83
Durable Goods[e]	524.88	519.66	545.33	42.5	42.7	44.3	12.35	12.17	12.31
Stone, Clay, and Glass Products	500.02	490.05	479.36	42.7	41.6	42.8	11.71	11.78	11.20
Primary Metal Industries	515.31	519.06	527.46	42.8	43.4	44.7	12.04	11.96	11.80
Iron and Steel Foundries	768.25	766.39	862.78	43.8	44.3	48.8	17.54	17.30	17.68
Fabricated Metal Products	526.64	521.37	548.87	42.3	42.7	43.7	12.45	12.21	12.56
Screw Machine Products, Bolts, etc.	491.23	512.46	569.75	41.7	43.1	45.8	11.78	11.89	12.44
Metal Forgings and Stampings	667.07	646.66	702.03	43.8	43.4	46.4	15.23	14.90	15.13
Industrial Machinery and Equipment	506.86	512.43	561.66	43.1	43.5	46.0	11.76	11.78	12.21
Metalworking Machinery	512.16	512.90	560.56	43.7	43.8	45.5	11.72	11.71	12.32
Electronic and Other Electric Equipment	424.95	427.44	429.77	40.9	41.1	42.3	10.39	10.40	10.16
Electrical Industrial Apparatus	435.97	437.86	444.21	41.6	41.9	44.2	10.48	10.45	10.05
Electric Lighting and Wiring Equipment	376.35	385.07	383.94	37.9	38.7	39.5	9.93	9.95	9.72
Transportation Equipment	703.95	663.60	725.04	43.4	42.0	45.4	16.22	15.80	15.97
Motor Vehicles and Equipment	758.47	721.76	802.96	42.9	41.6	46.2	17.68	17.35	17.38
Instruments and Related Products	449.86	439.93	382.45	41.5	41.0	40.3	10.84	10.73	9.49
Measuring and Controlling Devices	462.09	465.30	445.84	42.2	42.3	42.1	10.95	11.00	10.59
Nondurable Goods[f]	433.54	436.54	434.48	40.9	41.3	41.3	10.60	10.57	10.52
Food and Kindred Products	443.11	477.41	435.59	40.1	42.1	40.9	11.05	11.34	10.65
Apparel and Other Textile Products	367.30	373.80	368.32	38.3	39.1	39.1	9.59	9.56	9.42
Paper and Allied Products	518.25	507.30	496.40	44.6	44.5	42.5	11.62	11.40	11.68
Printing and Publishing	374.87	375.12	369.98	37.6	37.7	37.6	9.97	9.95	9.84
Chemicals and Allied Products	545.70	547.78	546.48	42.8	43.2	44.0	12.75	12.68	12.42
Rubber and Miscellaneous Plastics Products	372.32	374.59	384.77	41.6	41.9	42.8	8.95	8.94	8.99
Miscellaneous Plastics Products	388.20	385.10	398.30	42.8	42.6	43.2	9.07	9.04	9.22
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Transportation	.....	.....	.....	....	....	....	.....	.....	.....
Trucking and Warehousing	467.17	464.75	447.54	34.2	33.8	33.2	13.66	13.75	13.48
Communications, Electric, Gas Services	626.28	621.84	585.71	40.8	41.1	40.2	15.35	15.13	14.57
Wholesale Trade	458.60	454.70	455.63	39.5	39.3	40.5	11.61	11.57	11.25
Retail Trade[h]	185.76	182.65	181.31	27.0	26.9	26.9	6.88	6.79	6.74
General Merchandise Stores	189.75	188.10	181.44	27.7	27.5	27.0	6.85	6.84	6.72
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	322.01	323.69	322.41	....	....	....	.....	.....	.....
Depository Institutions	295.88	295.25	297.26	....	....	....	.....	.....	.....
Commercial Banks	291.67	288.14	304.73	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	334.44	324.68	314.63	31.7	31.1	31.4	10.55	10.44	10.02
Nursing and Personal Care Facilities	228.25	226.94	210.58	32.7	32.7	32.1	6.98	6.94	6.56
Hospitals	373.10	358.15	344.41	31.3	30.3	31.0	11.92	11.82	11.11

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; miscellaneous manufacturing industries. [f]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

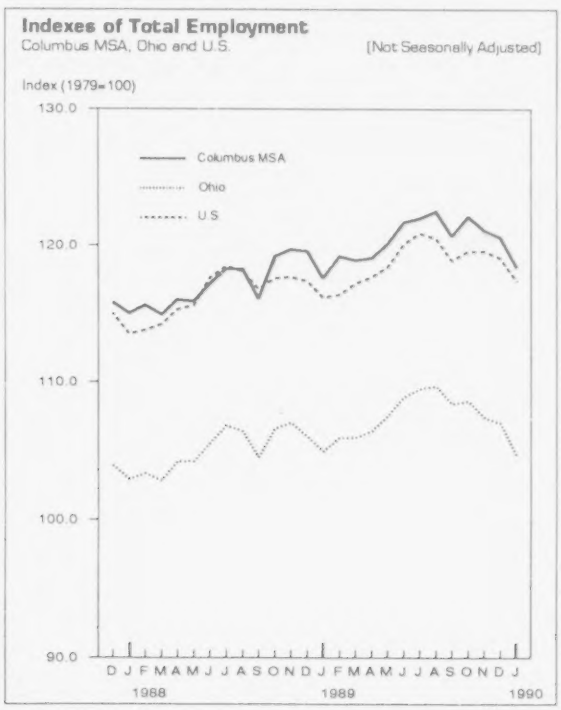
COLUMBUS
METROPOLITAN STATISTICAL AREA

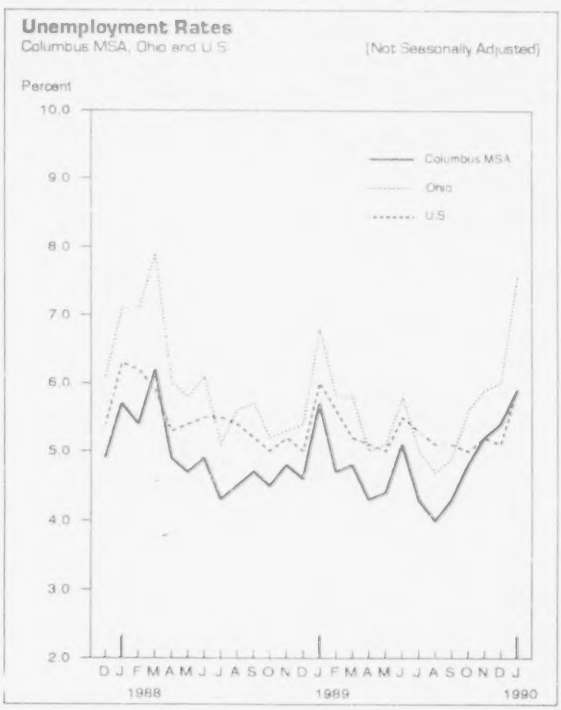


Nonagricultural payroll employment in the Columbus metropolitan area rose 3,100 above the January level to 702,000 in February 1990. Service-producing industries added 2,700 jobs as seasonal increases in services and state and local schools and colleges overshadowed continued reductions in retail trade. Employment in goods-producing industries totaled 131,000, up 400 over the month. The recall of workers in durable-goods manufacturing, particularly fabricated metal products, more than offset declines in construction and in nondurable-goods manufacturing. Factory production workers averaged $12.36 per hour, 9 cents higher than January. Their average workweek was slightly longer at 42.2 hours.

Nonfarm wage and salary employment advanced 14,900 between February 1989 and February 1990. Service-producing industries gained 14,600 workers. Leading growth sectors were services, especially business and health services, and retail trade. Noteworthy increases also occurred in state government, finance, insurance, and real estate, and wholesale trade. Although construction employment declined, improvement in manufacturing raised goods-producing employment 300 during the period. Modest growth in transportation equipment outweighed reductions in industrial machinery and equipment and electronic and other electric equipment.

Seasonally adjusted employment in the Columbus area increased 2,000 from the January level to 712,000 in February 1990 due to gains in manufacturing and services. Since February 1989, total payroll employment rose 15,000. Primary areas of expansion were services and retail trade.





Columbus MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.06	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.9	657.2	37.7	5.4	1987	658.0	103.9	68.7	473.52	41.5	11.41
711.5	676.5	35.0	4.9	1988	680.5	102.6	67.9	479.33	41.5	11.55
730.3	695.6	34.7	4.8	1989	701.7	104.8	69.5	500.82	41.7	12.01
				1989						
722.9	688.6	34.3	4.7	February	687.1	103.8	68.2	490.95	41.5	11.83
721.0	686.5	34.5	4.8	March	692.8	104.0	68.5	493.79	41.6	11.87
718.8	687.8	30.9	4.3	April	695.7	103.7	68.3	492.25	41.4	11.89
725.7	693.6	32.1	4.4	May	701.6	104.4	68.9	493.90	41.4	11.93
740.4	703.0	37.4	5.1	June	706.7	105.0	69.3	493.53	41.3	11.95
735.9	704.4	31.5	4.3	July	699.0	105.1	69.4	496.84	41.3	12.03
736.7	707.5	29.2	4.0	August	700.7	105.2	69.8	496.39	41.4	11.99
728.2	697.0	31.2	4.3	September	706.2	106.1	70.7	504.15	41.7	12.09
740.3	704.9	35.4	4.8	October	712.9	105.5	70.5	512.02	41.9	12.22
737.5	699.1	38.5	5.2	November	716.6	105.9	71.2	519.82	42.4	12.26
736.1	696.2	39.9	5.4	December	718.6	105.2	70.6	525.64	42.7	12.31
				1990						
726.7	683.8	42.9	5.9	January	698.9	103.6	69.0	516.57	42.1	12.27
INA	INA	INA	INA	February	702.0	104.4	69.7	521.59	42.2	12.36

INA – information not available

Columbus MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
558	142	23	118	1979	416	27	29	101	38	109	112
560	135	21	113	1980	425	27	29	101	40	113	115
557	130	19	109	1981	427	26	29	101	42	116	113
544	118	16	101	1982	426	25	28	100	44	117	111
548	117	17	99	1983	432	25	29	103	45	120	110
576	125	19	105	1984	451	26	31	110	47	127	110
604	129	22	106	1985	475	26	32	119	49	136	112
631	131	24	106	1986	500	27	32	125	54	146	116
658	132	27	104	1987	526	28	34	133	57	154	119
680	133	29	103	1988	548	30	36	138	59	162	123
702	135	29	105	1989	567	31	37	143	60	171	125
				1989							
697	135	30	105	February	562	31	37	142	60	169	124
701	136	31	105	March	565	31	37	143	60	169	124
697	135	29	104	April	563	31	37	142	59	169	124
699	135	29	105	May	564	31	37	143	60	170	125
700	135	29	105	June	565	31	37	143	60	170	124
703	135	29	105	July	568	31	37	144	60	171	126
704	135	29	105	August	569	31	37	144	60	172	125
704	135	29	105	September	569	31	37	144	60	173	124
705	135	29	105	October	570	31	37	145	60	173	125
707	135	29	105	November	572	31	37	145	60	174	125
709	135	29	105	December	574	31	37	146	60	174	126
				1990							
710	135	30	104	January	575	31	38	147	61	174	126
712	136	30	105	February	577	31	38	147	61	175	126

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Columbus MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	From Last Month	From Last Year
Total	702.0	698.9	687.1	3.1	14.9
Goods-Producing Industries[g]	131.0	130.6	130.7	.4	.3
Construction	25.8	26.1	26.1	-.3	-.3
Manufacturing	104.4	103.6	103.8	.8	.6
Durable Goods[e]	65.7	64.7	65.4	1.0	.3
Stone, Clay, and Glass Products	9.8	9.8	9.8	.0	.0
Glass and Glassware, Pressed or Blown	3.6	3.5	3.4	.1	.2
Fabricated Metal Products	10.0	9.1	9.9	.8	.1
Industrial Machinery and Equipment	9.5	9.6	9.8	.0	-.3
Electronic and Other Electric Equipment	8.9	9.0	9.2	-.1	-.3
Transportation Equipment	14.1	14.0	13.4	.2	.7
Motor Vehicles and Equipment	13.4	13.2	12.6	.2	.8
Instruments and Related Products	4.9	4.8	4.7	.0	.2
Nondurable Goods[f]	38.7	38.9	38.4	-.3	.2
Food and Kindred Products	10.6	10.7	10.4	-.1	.1
Dairy Products	4.0	4.0	3.9	.1	.2
Printing and Publishing	11.0	10.9	10.7	.0	.2
Chemicals and Allied Products	6.8	6.9	6.8	.0	.1
Rubber and Miscellaneous Plastics Products	6.1	6.3	5.9	-.2	.2
Service-Producing Industries	571.0	568.3	556.4	2.7	14.6
Transportation and Public Utilities	30.8	30.6	30.1	.2	.7
Transportation	18.4	18.3	17.9	.1	.5
Trucking and Warehousing	13.0	12.9	12.4	.0	.6
Communications, Electric, Gas Services	12.4	12.3	12.2	.1	.1
Communications	7.8	7.7	7.6	.1	.2
Electric, Gas, and Sanitary Services	4.6	4.6	4.6	.0	.0
Wholesale Trade	37.2	37.1	36.5	.1	.8
Wholesale Trade-Durable Goods	24.2	24.1	23.7	.1	.6
Motor Vehicles, Parts, and Supplies	3.1	3.1	3.2	.0	-.1
Machinery, Equipment, and Supplies	5.6	5.5	5.3	.1	.3
Wholesale Trade-Nondurable Goods	13.0	13.0	12.8	.0	.2
Retail Trade	143.0	144.2	138.3	-1.1	4.7
General Merchandise Stores	20.3	21.5	20.3	-.7	.5
Food Stores	16.8	16.9	16.1	-.1	.8
Automotive Dealers and Service Stations	14.2	14.2	13.7	.0	.4
Finance, Insurance, and Real Estate	60.1	60.1	59.2	.0	.9
Finance	23.6	23.8	23.2	-.1	.4
Depository Institutions	14.2	14.3	14.0	-.2	.1
Commercial Banks	11.8	12.0	11.5	-.1	.4
Insurance	27.8	27.7	27.5	.1	.3
Insurance Carriers	23.9	23.8	23.4	.1	.4
Services	172.0	169.4	165.9	2.6	6.1
Business Services	36.0	35.7	33.7	.3	2.2
Personnel Supply Services	12.5	12.4	11.0	.1	1.5
Health Services	45.4	45.1	43.4	.4	2.0
Nursing and Personal Care Facilities	8.1	8.1	8.0	.0	.2
Hospitals	21.2	21.0	20.1	.3	1.1
Legal Services	4.5	4.5	4.4	.0	.2
Educational Services	8.4	7.6	8.7	.8	-.3
Social Services	12.6	12.5	12.1	.1	.5
Engineering and Management Services	17.8	17.7	17.8	.1	.1
Engineering and Architectural Services	4.5	4.4	4.3	.0	.1
Accounting, Auditing, and Bookkeeping	4.1	4.1	4.3	.0	-.1
Research and Testing Services	6.2	6.2	6.1	.0	.0
Government	127.8	127.0	126.4	.9	1.4
Federal Government	15.9	16.0	15.7	-.1	.2
State Government	56.3	55.6	55.4	.7	.9
State Government Education[f]	23.7	23.1	23.8	.6	-.1
Local Government	55.6	55.4	55.3	.2	.3
Local Government Education	33.8	33.6	33.7	.3	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

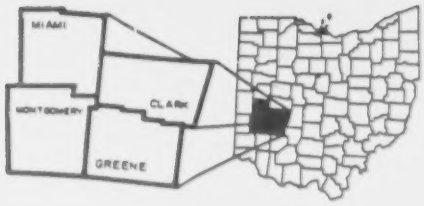
Not Seasonally Adjusted

Columbus MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]
Manufacturing	$521.59	$516.57	$490.95	42.2	42.1	41.5	$12.36	$12.27	$11.83
Durable Goods[e]	538.05	530.88	503.74	42.5	42.2	41.7	12.66	12.58	12.08
Stone, Clay, and Glass Products	505.06	502.85	480.06	42.3	41.8	41.6	11.94	12.03	11.54
Glass and Glassware, Pressed or Blown	462.51	451.14	444.29	42.2	41.2	41.6	10.96	10.95	10.68
Fabricated Metal Products	519.53	489.24	499.25	41.2	40.5	40.1	12.61	12.08	12.45
Industrial Machinery and Equipment	516.38	497.54	456.86	42.5	41.6	39.9	12.15	11.96	11.45
Electronic and Other Electric Equipment	514.88	505.36	451.16	42.8	41.8	39.3	12.03	12.09	11.48
Transportation Equipment	676.13	668.63	642.22	45.5	45.3	45.1	14.86	14.76	14.24
Motor Vehicles and Equipment	678.98	671.01	650.88	45.6	45.4	45.2	14.89	14.78	14.40
Instruments and Related Products	397.06	390.66	423.86	38.7	38.3	40.1	10.26	10.20	10.57
Nondurable Goods[f]	497.21	487.06	464.12	41.5	41.7	41.0	11.74	11.68	11.32
Food and Kindred Products	420.84	422.10	409.94	40.7	41.1	41.2	10.34	10.27	9.95
Dairy Products	630.85	653.97	564.96	44.9	45.7	42.8	14.05	14.31	13.20
Printing and Publishing	545.45	558.56	531.76	39.1	40.3	39.1	13.95	13.86	13.60
Chemicals and Allied Products	654.24	658.12	618.87	43.5	43.7	44.3	15.04	15.06	13.97
Rubber and Miscellaneous Plastics Products	408.53	398.11	363.67	43.6	42.9	41.0	9.37	9.28	8.87
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Transportation	.....	.....	.....	....	....	....	.....	.....	.....
Trucking and Warehousing	450.57	448.80	374.06	34.5	34.0	29.5	13.06	13.20	12.68
Communications, Electric, Gas Services	654.91	660.07	563.80	43.2	43.8	40.3	15.16	15.07	13.99
Communications	575.46	582.65	545.69	39.2	40.1	39.4	14.68	14.53	13.85
Electric, Gas, and Sanitary Services	795.75	794.74	592.97	50.3	50.3	41.7	15.82	15.80	14.22
Wholesale Trade	401.28	398.21	385.32	38.4	38.4	38.0	10.45	10.37	10.14
Retail Trade[h]	181.82	183.03	181.40	27.3	27.4	28.3	6.66	6.68	6.41
General Merchandise Stores	204.61	202.19	192.72	28.3	28.2	28.3	7.23	7.17	6.81
Food Stores	184.89	189.13	177.50	26.3	26.6	25.8	7.03	7.11	6.88
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	447.14	439.25	409.63	....	....	....	.....	.....	.....
Depository Institutions	291.93	286.63	270.14	....	....	....	.....	.....	.....
Commercial Banks	292.43	284.87	271.06	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health Services	.....	.....	.....	....	....	....	.....	.....	.....
Nursing and Personal Care Facilities	224.12	229.91	209.92	31.7	32.2	32.0	7.07	7.14	6.56
Hospitals	401.31	400.42	362.23	34.3	34.4	33.7	11.70	11.64	10.75
Engineering and Management Services	.....	.....	.....	....	....	....	.....	.....	.....
Engineering and Architectural Services	486.36	491.44	462.94	38.6	39.6	39.5	12.60	12.41	11.72

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing industries. [f]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

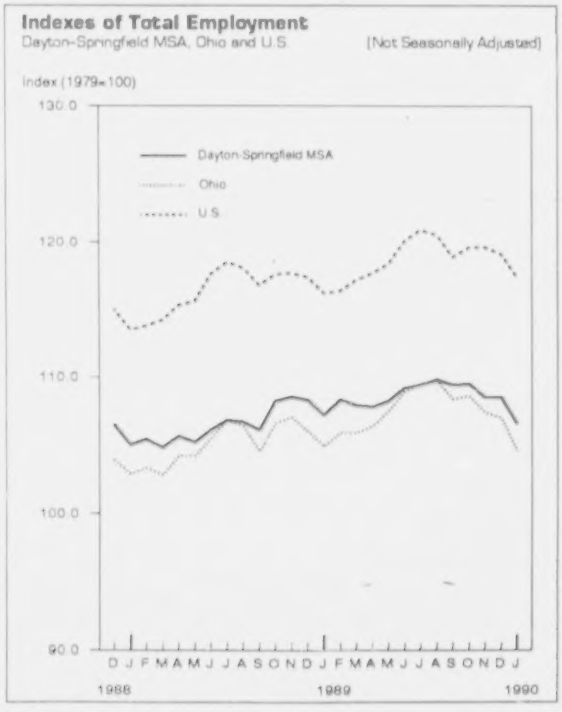
DAYTON - SPRINGFIELD METROPOLITAN STATISTICAL AREA

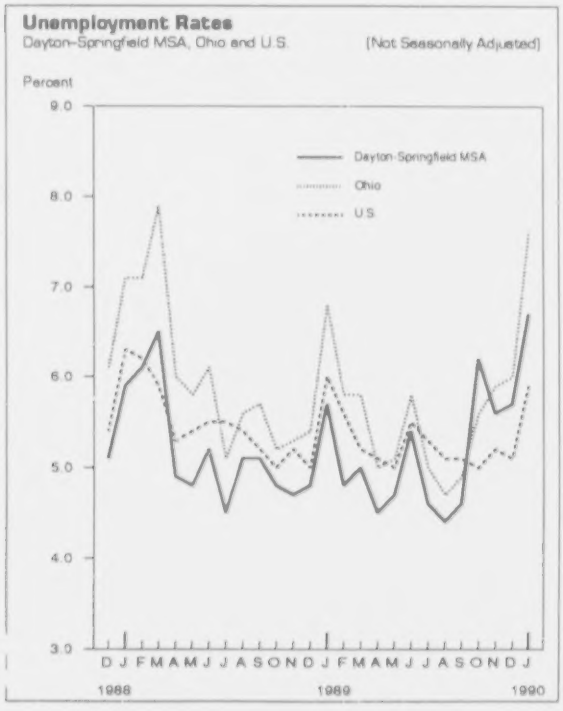


In the Dayton-Springfield metropolitan area, total nonfarm payroll employment rose 1,900 above the January level to 448,100 in February 1990. Service-producing industries increased 1,800 as more business in services outweighed a seasonal decrease in retail trade. The number of employees in goods-producing industries was unchanged from last month at 119,100. A marginal gain in manufacturing due to the recall of workers in rubber and miscellaneous plastics products and in transportation equipment was counterbalanced by less business in construction. Factory production workers averaged $13.07 per hour, up 14 cents from January. Their average workweek of 41.9 hours was 0.5 hours longer.

Nonagricultural wage and salary employment advanced 7,200 between February 1989 and February 1990. Moderate expansion in services, local and federal government, and retail trade raised employment in service-producing industries 9,700. Reductions in manufacturing, especially industrial machinery and equipment, rubber and miscellaneous plastics products, and electronic and other electric equipment, and less demand in construction lowered goods-producing employment 2,500 over the year.

Seasonally adjusted employment in the Dayton-Springfield area increased 2,000 above the January level to 455,000 in February 1990 due mainly to modest increases in manufacturing and services. Since February 1989, total payroll employment rose 7,000. Scattered improvements in service-producing industries, especially in services and government, outweighed declines in goods-producing industries.





Dayton–Springfield MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.91	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
463.8	437.7	26.2	5.6	1987	429.8	104.3	67.1	499.38	42.0	11.89
469.0	444.6	24.4	5.2	1988	437.7	105.0	67.5	548.14	43.4	12.63
478.6	454.1	24.4	5.1	1989	448.3	104.5	67.2	555.56	42.9	12.95
				1989						
476.0	452.9	23.1	4.8	February	440.9	105.4	68.0	568.54	43.7	13.01
475.1	451.2	23.9	5.0	March	444.2	105.6	68.1	565.07	43.3	13.05
471.9	450.8	21.1	4.5	April	446.8	104.7	67.5	556.85	43.1	12.92
474.3	452.1	22.1	4.7	May	448.3	104.8	67.4	555.56	43.0	12.92
482.6	456.3	26.3	5.4	June	449.6	105.6	67.9	555.56	43.1	12.89
479.7	457.5	22.2	4.6	July	444.9	104.5	66.3	539.33	42.3	12.75
480.0	459.0	21.0	4.4	August	445.4	104.7	66.7	531.70	41.8	12.72
479.3	457.4	21.9	4.6	September	454.0	105.0	67.4	555.54	42.8	12.98
487.6	457.6	30.0	6.2	October	453.3	101.7	65.1	552.12	42.8	12.90
480.4	453.5	27.0	5.6	November	455.2	102.3	65.8	555.53	42.7	13.01
480.9	453.5	27.3	5.7	December	458.3	104.3	68.0	551.51	42.1	13.10
				1990						
477.6	445.4	32.2	6.7	January	446.3	103.0	66.5	535.30	41.4	12.93
INA	INA	INA	INA	February	448.1	103.6	66.8	547.63	41.9	13.07

INA – information not available

Dayton–Springfield MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
409	139	16	122	1979	270	16	17	68	16	80	74
397	126	15	111	1980	271	16	17	66	16	82	75
393	123	13	110	1981	270	15	18	64	16	84	74
374	108	10	97	1982	266	14	18	62	16	85	72
372	106	11	96	1983	266	14	18	63	16	85	71
393	116	12	104	1984	277	15	19	67	16	89	71
409	120	13	106	1985	289	14	19	71	17	95	72
419	121	15	106	1986	298	15	19	75	17	100	73
430	121	16	104	1987	309	16	19	78	18	104	74
438	123	17	105	1988	315	17	20	79	18	108	73
448	123	18	105	1989	326	17	21	80	18	114	76
				1989							
448	126	19	106	February	322	17	21	80	18	112	75
449	126	19	106	March	324	17	21	80	18	113	74
447	123	18	105	April	324	17	21	79	18	113	76
447	123	18	105	May	324	17	21	79	18	114	76
447	123	17	105	June	325	17	21	80	18	114	76
448	122	17	104	July	326	17	21	80	18	114	76
449	122	17	105	August	326	18	21	80	18	114	76
450	122	17	104	September	328	18	21	80	18	114	76
448	119	17	101	October	329	18	21	80	18	115	77
449	120	18	102	November	329	18	21	80	18	116	77
453	122	18	104	December	331	18	21	80	18	116	77
				1990							
453	122	18	104	January	330	18	21	81	18	115	78
455	123	18	105	February	332	18	21	81	18	116	78

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Dayton–Springfield MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	From Last Month	From Last Year
Total	448.1	446.3	440.9	1.9	7.2
Goods-Producing Industries[g]	119.1	119.1	121.6	.0	-2.5
Construction	15.2	15.8	15.8	-.6	-.7
Manufacturing	103.6	103.0	105.4	.6	-1.8
Durable Goods[e]	74.2	74.2	75.6	.0	-1.5
Fabricated Metal Products	8.5	8.5	8.5	.0	.0
Industrial Machinery and Equipment	31.0	31.4	32.3	-.4	-1.3
Metalworking Machinery	8.3	8.5	8.4	-.1	.0
General Industrial Machinery	2.9	3.0	3.0	.0	.0
Electronic and Other Electric Equipment	3.9	3.8	4.5	.0	-.6
Transportation Equipment	22.0	21.6	21.5	.4	.5
Motor Vehicles and Equipment	18.8	18.5	18.3	.4	.5
Nondurable Goods[f]	29.4	28.8	29.8	.6	-.4
Food and Kindred Products	2.7	2.7	2.7	.0	.0
Paper and Allied Products	6.0	6.0	6.0	-.1	.0
Printing and Publishing	9.1	9.2	8.9	-.1	.2
Rubber and Miscellaneous Plastics Products	7.6	6.9	8.4	.7	-.9
Service-Producing Industries	329.0	327.2	319.3	1.8	9.7
Transportation and Public Utilities	17.8	17.8	17.0	.0	.8
Transportation	11.4	11.4	10.9	.0	.5
Trucking and Warehousing	6.4	6.3	5.8	.0	.5
Communications, Electric, Gas Services	6.3	6.3	6.1	.0	.3
Communications	3.5	3.5	3.5	.0	.1
Wholesale Trade	21.2	21.1	20.3	.1	.8
Wholesale Trade-Durable Goods	14.8	14.8	14.3	.0	.6
Wholesale Trade-Nondurable Goods	6.4	6.3	6.1	.1	.3
Retail Trade	78.6	79.4	77.1	-.8	1.4
General Merchandise Stores	11.2	11.7	11.1	-.5	.1
Finance, Insurance, and Real Estate	17.7	17.6	17.5	.1	.1
Finance	9.6	9.6	9.8	.0	-.2
Depository Institutions	7.3	7.3	7.5	.0	-.2
Insurance	4.5	4.5	4.3	.0	.2
Services	114.8	112.9	111.2	1.9	3.5
Business Services	21.7	21.4	20.9	.3	.8
Personnel Supply Services	5.6	5.5	5.7	.1	-.1
Computer and Data Processing Services	5.2	5.1	4.6	.1	.5
Health Services	38.9	38.8	37.3	.1	1.5
Nursing and Personal Care Facilities	7.1	7.1	7.0	.0	.1
Hospitals	20.0	20.0	19.1	.0	1.0
Educational Services	9.2	8.3	9.2	.9	.0
Social Services	5.8	5.7	5.8	.1	.0
Engineering and Management Services	9.8	9.7	9.9	.1	.0
Research and Testing Services	3.3	3.3	3.2	.0	.1
Government	79.1	78.4	76.1	.6	3.0
Federal Government	28.9	29.0	27.8	-.1	1.0
State Government	7.6	7.3	7.3	.3	.3
State Government Education[i]	4.7	4.4	4.4	.3	.3
Local Government	42.6	42.2	41.0	.4	1.6
Local Government Education	27.4	27.0	26.3	.4	1.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

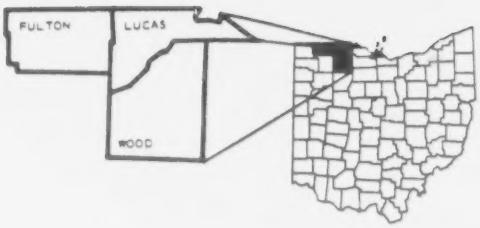
Not Seasonally Adjusted

Dayton-Springfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]
Manufacturing	$547.63	$535.30	$568.54	41.9	41.4	43.7	$13.07	$12.93	$13.01
Durable Goods[e]	571.63	557.61	581.24	42.5	41.8	44.0	13.45	13.34	13.21
Fabricated Metal Products	411.27	400.49	401.28	41.5	40.7	41.8	9.91	9.84	9.60
Industrial Machinery and Equipment	594.26	590.97	616.95	43.0	42.7	45.0	13.82	13.84	13.71
Metalworking Machinery	580.56	597.30	613.01	44.9	45.7	47.3	12.93	13.07	12.96
General Industrial Machinery	491.02	510.42	507.21	43.3	44.5	43.5	11.34	11.47	11.66
Electronic and Other Electric Equipment	373.01	367.79	381.47	42.1	41.7	43.3	8.86	8.82	8.81
Transportation Equipment	706.06	677.63	733.50	43.0	41.7	45.0	16.42	16.25	16.30
Motor Vehicles and Equipment	715.95	681.03	745.05	43.0	41.4	45.1	16.65	16.45	16.52
Nondurable Goods[f]	477.19	465.96	532.00	40.1	40.1	42.8	11.90	11.62	12.43
Food and Kindred Products	333.49	339.21	383.97	38.2	38.9	41.6	8.73	8.72	9.23
Paper and Allied Products	476.19	484.34	478.95	42.9	43.4	43.7	11.10	11.16	10.96
Printing and Publishing	461.78	445.06	468.06	39.3	38.6	39.7	11.75	11.53	11.79
Rubber and Miscellaneous Plastics Products	600.23	556.87	719.20	38.9	37.1	43.8	15.43	15.01	16.42
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services	562.72	562.47	542.52	40.6	40.7	39.6	13.86	13.82	13.70
Communications	554.98	555.01	544.46	39.5	39.9	39.8	14.05	13.91	13.68
Wholesale Trade	393.57	391.24	403.60	39.2	39.4	40.0	10.04	9.93	10.09
Retail Trade[h]	169.07	166.98	162.10	27.9	27.6	27.9	6.06	6.05	5.81
General Merchandise Stores	176.42	175.44	170.08	27.1	27.2	27.7	6.51	6.45	6.14
Finance, Insurance, and Real Estate	.....	.....	.....	.....	.....	.....	.....	.....	.....
Finance	.....	.....	.....	.....	.....	.....	.....	.....	.....
Depository Institutions	276.38	269.47	254.13	.....	.....	.....	.....	.....	.....
Services	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health Services	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	407.59	409.60	362.86	34.6	34.8	34.2	11.78	11.77	10.61

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [f]Includes tobacco products; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only, tips not included. [i]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

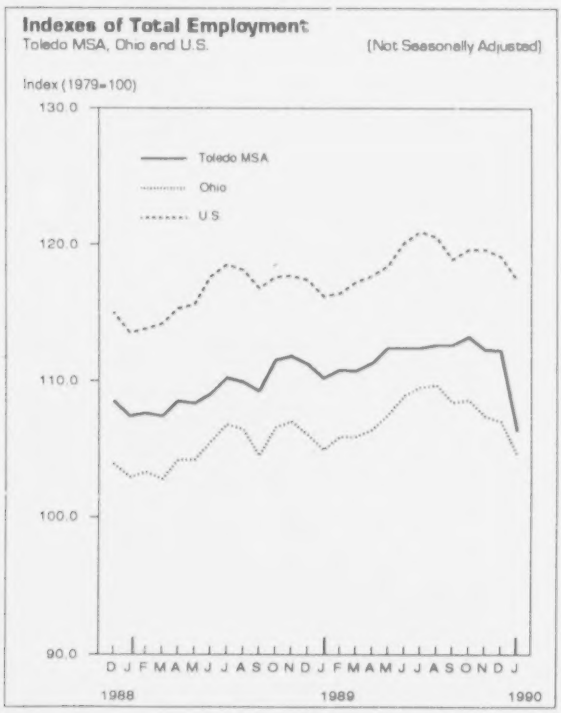
TOLEDO
METROPOLITAN STATISTICAL AREA

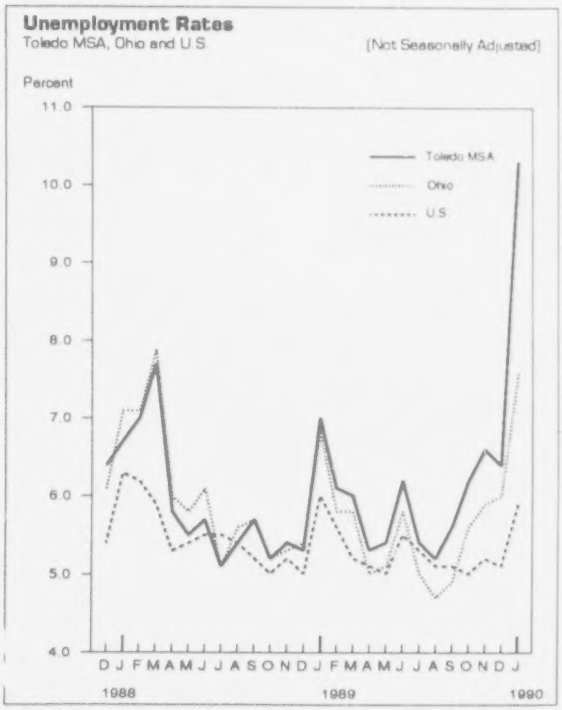


Nonfarm payroll employment in the Toledo metropolitan area totaled 289,300 in February 1990, up 8,100 from January. The recall of workers in manufacturing, especially transportation equipment, raised employment in goods-producing industries 7,600 to 69,600. Service-producing industries added 500 jobs as an increase in nonteaching personnel in state schools and colleges offset a seasonal decrease in retail trade. Manufacturing production workers averaged $13.20 per hour, 78 cents above the January level. Their average workweek of 41.9 hours was 0.2 hours shorter.

Nonagricultural wage and salary employment advanced 1,600 between February 1989 and February 1990. Employment in service-producing industries rose 4,500 primarily due to moderate expansion in retail trade and services. A reduction in the manufacturing workforce, especially in transportation equipment, lowered employment in goods-producing industries 3,000 over the year. Noteworthy declines also occurred in industrial machinery and equipment, stone, clay, and glass products, and rubber and miscellaneous plastics products.

Seasonally adjusted employment in the Toledo area rose 9,000 above the January level to 295,000 in February 1990. The recall of workers in manufacturing raised goods-producing industries 8,000. Since February 1989, total payroll employment increased 2,000. Improvements in retail trade, services, and transportation and public utilities more than offset a decline in manufacturing.





Toledo MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
307.6	285.1	22.5	7.3	1987	278.0	62.2	43.7	540.60	42.5	12.72
310.3	292.1	18.2	5.9	1988	286.6	62.7	44.9	566.78	43.2	13.12
317.9	299.0	18.9	5.9	1989	293.7	61.6	44.0	576.81	43.5	13.26
				1989						
315.1	296.0	19.1	6.1	February	287.7	62.4	44.7	596.30	44.5	13.40
314.6	295.8	18.7	6.0	March	290.7	62.7	44.8	596.30	44.5	13.40
314.1	297.5	16.6	5.3	April	293.0	62.6	44.7	563.73	43.0	13.11
317.4	300.3	17.2	5.4	May	295.8	62.5	44.7	584.76	44.0	13.29
320.2	300.4	19.8	6.2	June	294.0	62.1	44.4	571.54	43.2	13.23
317.3	300.2	17.1	5.4	July	289.8	61.2	43.5	566.24	42.8	13.23
317.4	301.0	16.4	5.2	August	290.1	61.6	44.0	575.92	43.4	13.27
318.6	300.8	17.8	5.6	September	296.6	61.3	43.9	565.04	43.1	13.11
322.6	302.5	20.0	6.2	October	298.1	60.1	42.8	580.32	43.6	13.31
321.1	300.0	21.1	6.6	November	299.3	60.3	42.9	586.94	43.9	13.37
320.3	299.7	20.6	6.4	December	300.7	60.4	43.1	565.02	43.0	13.14
				1990						
316.9	284.1	32.7	10.3	January	281.2	51.1	34.3	522.88	42.1	12.42
INA	INA	INA	INA	February	289.3	59.2	42.2	553.08	41.9	13.20

INA – information not available

Toledo MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
268	88	10	77	1979	180	18	14	47	9	53	39
257	77	10	66	1980	180	16	14	46	9	54	40
254	76	9	66	1981	179	16	14	46	9	55	39
244	68	7	60	1982	177	14	14	44	9	57	38
245	67	7	60	1983	178	14	14	44	9	58	39
257	73	8	65	1984	184	14	15	47	10	59	39
265	74	9	66	1985	190	14	15	50	10	62	40
272	73	9	63	1986	199	14	15	52	11	67	41
278	73	10	62	1987	206	14	15	54	12	70	42
287	74	11	63	1988	213	13	15	57	12	73	42
294	74	12	62	1989	220	14	16	59	12	76	43
				1989							
293	75	12	63	February	218	14	16	58	12	75	43
294	75	12	63	March	219	14	16	58	12	75	43
293	75	12	63	April	218	14	16	58	12	75	43
294	75	12	63	May	219	14	16	59	12	75	43
294	74	12	62	June	220	14	16	58	12	76	43
293	74	12	62	July	219	14	16	59	12	76	42
293	73	12	61	August	220	14	16	59	12	77	43
294	72	12	60	September	221	14	16	59	12	77	43
293	72	12	60	October	221	14	16	59	12	77	43
294	72	12	60	November	222	15	16	59	12	77	44
296	73	12	60	December	223	15	16	59	12	77	44
				1990							
286	64	12	52	January	222	15	16	60	12	76	43
295	72	12	60	February	223	15	16	60	12	77	43

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Toledo MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	From Last Month	From Last Year
Total	289.3	281.2	287.7	8.1	1.6
Goods-Producing Industries[g]	69.6	62.0	72.6	7.6	-3.0
Construction	10.2	10.7	10.0	-.5	.3
Manufacturing	59.2	51.1	62.4	8.1	-3.2
Durable Goods[e]	44.1	35.6	46.9	8.5	-2.8
Stone, Clay, and Glass Products	7.7	7.9	8.1	-.2	-.4
Primary Metal Industries	3.5	3.5	3.6	-.1	-.2
Fabricated Metal Products	6.9	6.2	7.2	.7	-.3
Metal Forgings and Stampings	2.6	2.1	3.0	.5	-.4
Industrial Machinery and Equipment	5.7	5.7	6.2	.0	-.5
Transportation Equipment	13.8	5.7	15.3	8.1	-1.5
Nondurable Goods[f]	15.1	15.5	15.5	-.4	-.5
Food and Kindred Products	3.8	3.9	3.8	-.2	-.1
Rubber and Miscellaneous Plastics Products	3.9	4.1	4.3	-.1	-.4
Service-Producing Industries	219.7	219.2	215.1	.5	4.5
Transportation and Public Utilities	14.1	14.2	13.6	-.1	.5
Transportation	9.2	9.3	8.8	-.1	.4
Communications, Electric, Gas Services	4.9	4.9	4.8	.0	.1
Wholesale Trade	15.8	15.8	15.3	.0	.5
Wholesale Trade-Durable Goods	10.5	10.5	10.2	.0	.3
Wholesale Trade-Nondurable Goods	5.3	5.3	5.1	.0	.3
Retail Trade	57.9	58.8	56.1	-.9	1.8
General Merchandise Stores	7.9	8.6	8.1	-.6	-.2
Finance, Insurance, and Real Estate	11.9	11.9	11.9	.0	.1
Finance	6.3	6.3	6.3	-.1	.0
Insurance	3.7	3.7	3.7	.0	.0
Services	75.1	74.9	73.3	.2	1.8
Business Services	13.0	13.1	12.7	-.1	.3
Personnel Supply Services	4.7	4.8	4.5	-.1	.3
Health Services	27.4	27.5	27.2	-.1	.2
Nursing and Personal Care Facilities	4.1	4.1	4.1	.0	.0
Hospitals	15.1	15.1	15.0	.0	.1
Engineering and Management Services	6.0	5.9	5.8	.1	.2
Government	44.8	43.6	44.9	1.3	-.1
Federal Government	2.6	2.6	2.6	.0	.0
State Government	17.0	16.0	16.8	1.0	.2
State Government Education[h]	12.7	11.7	12.7	1.0	.0
Local Government	25.2	24.9	25.5	.2	-.3
Local Government Education	14.8	14.6	15.2	.2	-.3

Hours and Earnings of Production or Nonsupervisory Workers[a]

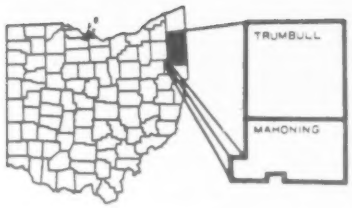
Not Seasonally Adjusted

Toledo MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]
Manufacturing	$553.08	$522.88	$596.30	41.9	42.1	44.5	$13.20	$12.42	$13.40
Durable Goods[e]	563.30	512.08	617.87	42.1	41.7	45.1	13.38	12.28	13.70
Stone, Clay, and Glass Products	483.03	491.88	455.94	40.9	41.3	40.1	11.81	11.91	11.37
Primary Metal Industries	467.41	492.48	525.97	41.4	43.2	46.3	11.29	11.40	11.36
Fabricated Metal Products	482.16	454.18	520.95	41.0	40.3	45.3	11.76	11.27	11.50
Metal Forgings and Stampings	632.81	621.57	640.48	40.8	41.3	43.6	15.51	15.05	14.69
Industrial Machinery and Equipment	497.34	494.16	530.20	42.8	42.6	44.0	11.62	11.60	12.05
Transportation Equipment	715.23	743.01	821.28	42.7	42.8	47.5	16.75	17.36	17.29
Nondurable Goods[f]	520.79	545.27	520.67	41.3	42.8	42.4	12.61	12.74	12.28
Food and Kindred Products	620.86	713.39	557.95	43.6	48.3	41.7	14.24	14.77	13.38
Rubber and Miscellaneous Plastics Products	350.64	359.07	364.98	39.8	40.3	42.0	8.81	8.91	8.69
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	735.46	609.00	571.86	44.9	40.9	40.3	16.38	14.89	14.19
Wholesale Trade	413.83	412.00	391.84	40.1	40.0	39.7	10.32	10.30	9.87
Retail Trade[h]	164.50	160.33	158.61	27.1	26.5	27.3	6.07	6.05	5.81
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	374.13	374.25	338.95	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [f]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

YOUNGSTOWN - WARREN METROPOLITAN STATISTICAL AREA

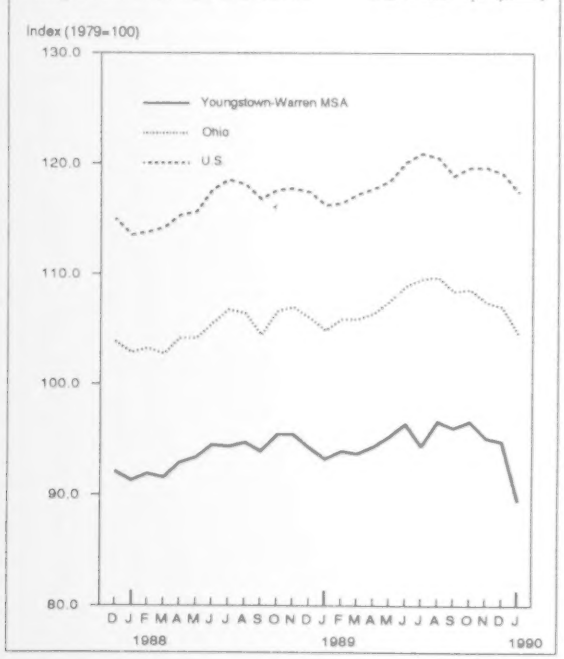


In the Youngstown-Warren metropolitan area, nonagricultural payroll employment rose 7,500 above the January level, to 196,500 in February 1990. The recall of workers in manufacturing, especially transportation equipment, fabricated metal products, and primary metal industries, increased goods-producing industries 7,400 to 55,700. Employment in service-producing industries was little changed over the month as a seasonal increase in nonteaching personnel in state schools and colleges offset a seasonal decrease in retail trade. Manufacturing production workers averaged $14.10 per hour, up 36 cents from January. Their average workweek was 0.4 hours shorter at 41.8 hours.

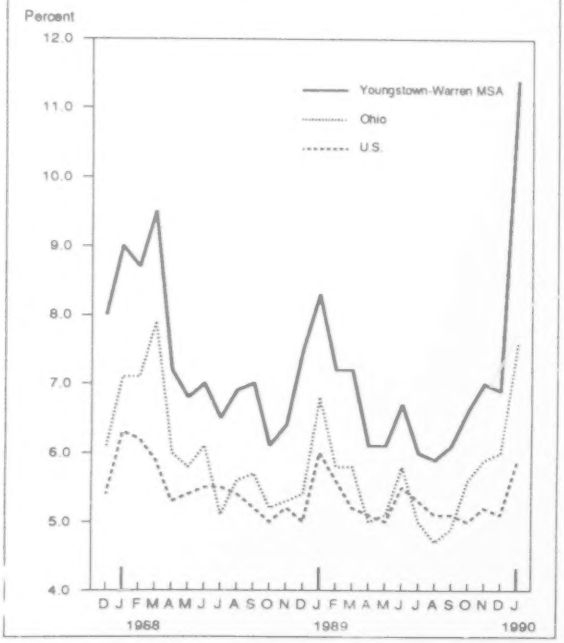
Total nonfarm wage and salary employment advanced 2,700 between February 1989 and February 1990. Expansion in retail trade (+1,400) and services (+1,200) helped raise employment in service-producing industries 4,600. Modest improvements also occurred in wholesale trade and local government. A significant reduction in durable-goods manufacturing, particularly primary metal industries, reduced goods-producing industries 1,900 over the year.

Seasonally adjusted employment in the Youngstown-Warren area rose 8,000 above the January level to 201,000 in February 1990. The recall of workers in manufacturing raised goods-producing industries 8,000. Since February 1989, total payroll employment increased 3,000. Gains in retail trade, wholesale trade, and services outweighed a decline in manufacturing.

Indexes of Total Employment
Youngstown-Warren MSA, Ohio and U.S. (Not Seasonally Adjusted)



Unemployment Rates
Youngstown-Warren MSA, Ohio and U.S. (Not Seasonally Adjusted)



Youngstown–Warren MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	$377.29	40.7	$9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.4	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.6	200.0	21.6	9.7	1987	188.3	48.9	36.7	567.91	42.7	13.30
222.3	205.9	16.4	7.4	1988	193.8	50.5	38.5	574.86	42.3	13.59
223.9	209.0	15.0	6.7	1989	198.1	50.0	37.8	599.63	42.8	14.01
				1989						
222.6	206.5	16.1	7.2	February	193.8	51.0	38.9	580.88	42.4	13.70
222.0	206.1	15.9	7.2	March	195.6	50.8	38.7	595.55	43.0	13.85
220.8	207.3	13.5	6.1	April	197.0	50.7	38.7	589.48	42.5	13.87
222.9	209.3	13.5	6.1	May	199.2	50.7	38.6	603.60	43.3	13.94
227.1	211.9	15.2	6.7	June	200.4	50.8	38.7	598.53	42.6	14.05
220.9	207.6	13.4	6.0	July	193.6	45.7	33.4	581.28	42.0	13.84
225.8	212.5	13.3	5.9	August	197.8	49.5	37.3	590.10	42.0	14.05
225.0	211.2	13.8	6.1	September	201.0	50.2	38.1	618.88	43.4	14.26
227.5	212.5	15.0	6.6	October	202.2	50.0	37.9	617.46	43.3	14.26
224.9	209.1	15.8	7.0	November	201.3	49.7	37.6	617.58	43.4	14.23
224.0	208.5	15.5	6.9	December	202.1	49.6	37.2	596.71	42.2	14.14
				1990						
222.2	196.9	25.3	11.4	January	189.0	41.5	29.2	579.83	42.2	13.74
INA	INA	INA	INA	February	196.5	49.0	36.7	589.38	41.8	14.10

INA – information not available

Youngstown–Warren MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
214	87	7	80	1979	127	10	8	38	7	37	26
203	78	7	71	1980	125	10	8	37	7	38	26
199	75	6	67	1981	124	9	8	36	7	39	25
181	59	5	53	1982	121	8	8	35	7	39	24
177	58	5	53	1983	119	8	8	34	7	39	24
182	61	6	55	1984	121	8	8	35	7	40	23
184	60	6	53	1985	124	8	9	37	7	41	23
187	59	7	52	1986	128	8	9	37	8	43	24
188	57	7	49	1987	131	8	10	39	8	44	24
194	58	7	51	1988	135	8	10	40	8	45	24
198	58	8	50	1989	140	8	11	42	9	46	24
				1989							
198	60	8	51	February	138	8	11	41	9	46	24
198	59	8	51	March	139	8	11	42	9	46	24
198	59	8	51	April	139	8	11	42	9	46	24
197	59	8	51	May	139	8	11	42	9	46	24
198	58	8	50	June	139	8	11	42	9	46	24
195	55	8	47	July	140	8	11	42	9	46	24
199	58	8	50	August	140	8	11	42	9	47	24
199	58	8	50	September	141	8	11	42	9	47	24
200	58	8	49	October	142	8	11	43	9	47	25
199	57	8	49	November	142	8	11	42	9	47	24
200	58	8	50	December	142	8	12	42	9	47	24
				1990							
193 –	50	8	42	January	143	8	12	43	9	47	25
201	58	8	49	February	143	8	12	43	9	47	24

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Youngstown–Warren MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	From Last Month	From Last Year
Total	196.5	189.0	193.8	7.5	2.7
Goods-Producing Industries[g]	55.7	48.4	57.7	7.4	-1.9
Construction	6.3	6.5	6.3	-.2	.0
Manufacturing	49.0	41.5	51.0	7.6	-2.0
Durable Goods[e]	43.9	36.4	45.8	7.5	-1.9
Primary Metal Industries	17.8	16.7	19.0	1.1	-1.2
Blast Furnace and Basic Steel Products	5.9	5.9	5.8	.0	.1
Fabricated Metal Products	7.3	5.9	7.5	1.4	-.2
Metal Forgings and Stampings	3.8	2.5	3.9	1.3	-.1
Industrial Machinery and Equipment	4.3	4.3	4.2	-.1	.0
Transportation Equipment	9.4	4.3	9.6	5.1	-.2
Nondurable Goods[f]	5.1	5.1	5.1	.1	.0
Service-Producing Industries	140.8	140.7	136.2	.1	4.6
Transportation and Public Utilities	7.7	7.6	7.5	.1	.1
Wholesale Trade	11.5	11.5	10.6	.0	.9
Wholesale Trade-Durable Goods	7.1	7.1	6.8	.0	.3
Wholesale Trade-Nondurable Goods	4.3	4.4	3.8	.0	.6
Retail Trade	41.4	41.9	40.0	-.5	1.4
General Merchandise Stores	5.1	5.4	5.2	-.3	.0
Finance, Insurance, and Real Estate	8.7	8.7	8.4	.0	.3
Finance	4.8	4.8	4.6	.0	.2
Services	46.1	46.1	45.0	.1	1.2
Health Services	20.9	21.1	20.5	-.2	.4
Nursing and Personal Care Facilities	4.8	4.8	4.6	.0	.2
Hospitals	10.6	10.7	10.6	-.1	.0
Government	25.4	24.9	24.8	.5	.6
State Government	4.5	4.0	4.5	.5	-.1
State Government Education[i]	3.0	2.5	3.1	.5	-.1
Local Government	18.9	18.8	18.2	.1	.7
Local Government Education	12.5	12.4	11.9	.1	.5

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Youngstown–Warren MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]
Manufacturing	$589.38	$579.83	$580.88	41.8	42.2	42.4	$14.10	$13.74	$13.70
Durable Goods[e]	604.20	596.99	598.23	41.9	42.4	42.7	14.42	14.08	14.01
Primary Metal Industries	639.63	649.32	642.36	41.4	42.0	42.4	15.45	15.46	15.15
Blast Furnace and Basic Steel Products	667.34	662.53	606.09	46.7	46.5	44.5	14.29	14.25	13.62
Fabricated Metal Products	584.56	579.04	589.11	42.7	44.0	43.8	13.69	13.16	13.45
Metal Forgings and Stampings	689.61	773.69	695.81	42.7	47.7	45.3	16.15	16.22	15.36
Industrial Machinery and Equipment	522.88	513.36	510.94	42.1	41.5	42.9	12.42	12.37	11.91
Transportation Equipment	678.78	697.57	646.15	43.4	43.9	43.6	15.64	15.89	14.82
Nondurable Goods[f]	432.63	428.39	390.39	41.4	40.3	39.0	10.45	10.63	10.01
Wholesale Trade	387.66	381.79	365.11	39.0	38.8	38.8	9.94	9.84	9.41
Retail Trade[h]	178.54	179.85	179.76	27.3	27.5	28.9	6.54	6.54	6.22
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Finance	227.35	225.13	226.30	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [f]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Minor Metropolitan Areas

Hamilton–Middletown PMSA

Nonfarm wage and salary employment in the Hamilton-Middletown metropolitan area totaled 93,800 in February 1990, unchanged from January. Improvements in retail trade and services raised employment in service-producing industries 300. Goods-producing industries, at 26,800, lost 400 jobs due to scattered declines in manufacturing and less business in construction and mining. Factory production workers averaged $13.33 per hour, down 6 cents from January. Their average workweek of 43.6 hours was 0.9 hours shorter. Nonagricultural payroll employment advanced 300 between February 1989 and February 1990. Expansion in services raised service-producing industries 700. Reductions in manufacturing, especially paper and allied products, lowered goods-producing industries 400 over the year.

Lima MSA

Nonagricultural payroll employment in the Lima metropolitan area rose 800 above the January level to 72,300 in February 1990. The recall of workers in manufacturing, especially transportation equipment, increased goods-producing industries 500 to 26,200. Service-producing industries added 200 jobs. Manufacturing production workers averaged $13.19 per hour, up 28 cents from January. Their average workweek was 0.3 hours longer at 42.4 hours. Nonfarm wage and salary employment advanced 2,100 between February 1989 and February 1990. Growth in retail trade contributed most to the 1,100 increase in service-producing industries. Scattered gains in manufacturing, particularly industrial machinery and equipment, raised goods-producing employment 1,000 during the period.

Lorain–Elyria PMSA

In the Lorain-Elyria metropolitan area, nonfarm wage and salary employment totaled 90,900 in February 1990, up 5,600 from January. Goods-producing industries rose 5,300 to 31,500 due to the recall of workers in manufacturing, especially transportation equipment. Seasonal gains in services and local schools increased service-producing industries 400. Manufacturing production workers averaged $13.23 per hour, $1.26 higher than January. Their average workweek of 42.5 hours was 0.1 hours shorter. Nonagricultural payroll employment increased 100 between February 1989 and February 1990. Modest growth in retail trade and transportation and public utilities added 600 jobs to service-producing industries. Employment in goods-producing industries dropped 500 over the year. A reduction in durable-goods manufacturing, particularly transportation equipment and primary metal industries, overshadowed a slight gain in construction and mining.

Manfield MSA

Total nonagricultural payroll employment in the Mansfield metropolitan area rose 700 above the January level to 59,200 in February 1990. The return of workers from a temporary shutdown in durable-goods manufacturing, especially fabricated metal products, increased employment in goods-producing industries 300 to 20,500. Service-producing industries added 300 jobs primarily due to a seasonal increase in nonteaching personnel in local schools. Manufacturing production workers averaged $12.99 per hour, up fractionally from January. Their average workweek of 40.3 hours was 0.1 hours shorter. Nonfarm wage and salary employment was unchanged between February 1989 and February 1990. A reduction in durable-goods manufacturing lowered goods-producing employment 500. Modest expansion in retail trade raised service-producing industries 500 over the year.

Steubenville–Weirton MSA

In the Steubenville-Weirton metropolitan area, nonagricultural payroll employment rose 500 above the January level to 52,100 in February 1990. More business in services and a seasonal gain in local schools added 300 jobs in service-producing industries. Employment in goods-producing industries increased 200 to 19,900 due to modest improvement in durable-goods manufacturing. Factory production workers averaged $11.72 per hour, unchanged from January. Their average workweek was 0.2 hours longer at 42.6 hours. Nonfarm wage and salary employment advanced 1,700 between February 1989 and February 1990. Growth in services and retail trade raised service-producing industries 1,600. Employment in goods-producing industries increased 100 over the year due to a slight improvement in construction.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	131.4	132.3	131.5	-.9	-.1
Employment	121.8	124.4	122.3	-2.6	-.5
Unemployment	9.5	7.9	9.3	1.6	.2
Unemployment Rate	7.3	5.9	7.0		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	From Last Month	From Last Year
Total	93.8	93.8	93.4	.0	.3
Goods–Producing Industries	26.8	27.2	27.2	-.4	-.4
Construction and Mining	5.0	5.0	4.8	-.1	.2
Manufacturing	21.9	22.1	22.5	-.3	-.6
Durable Goods	15.2	15.3	15.5	-.2	-.3
Primary Metal Industries	7.1	7.2	6.7	-.1	.3
Fabricated Metal Products	2.4	2.4	2.5	.0	-.1
Industrial Machinery and Equipment	2.5	2.4	2.3	.0	.1
Nondurable Goods	6.7	6.8	7.0	-.1	-.3
Paper and Allied Products	4.8	4.8	5.1	-.1	-.3
Paper Mills	3.5	3.6	3.8	-.1	-.3
Service–Producing Industries	67.0	66.6	66.2	.3	.7
Transportation and Public Utilities	3.4	3.4	3.3	.0	.1
Wholesale Trade	5.6	5.6	5.6	.0	.0
Wholesale Trade–Durable Goods	3.8	3.8	3.9	0	-.1
Retail Trade	17.2	17.0	17.4	.3	-.1
Food Stores	2.9	2.9	3.1	.0	-.2
Finance, Insurance, and Real Estate	4.6	4.7	4.8	-.1	-.2
Services	19.0	18.8	17.9	.2	1.1
Health Services	8.3	8.2	7.9	.0	.4
Government	17.2	17.2	17.2	-.1	-.1
State Government	6.9	7.1	7.0	-.2	-.1
Local Government	9.7	9.5	9.7	.1	.0
Local Government Education	6.4	6.2	6.3	.1	.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]
Manufacturing	$581.19	$595.86	$603.90	43.6	44.5	45.0	$13.33	$13.39	$13.42
Durable Goods	592.09	597.52	622.43	43.6	44.0	45.4	13.58	13.58	13.71
Primary Metal Industries	649.74	649.00	715.55	44.2	44.3	47.2	14.70	14.65	15.16
Fabricated Metal Products	516.99	498.56	530.42	42.1	41.0	41.7	12.28	12.16	12.72
Industrial Machinery and Equipment	626.26	668.93	632.77	48.1	50.6	48.9	13.02	13.22	12.94
Nondurable Goods	553.68	590.44	557.92	43.7	45.7	44.0	12.67	12.92	12.68
Paper and Allied Products	566.69	604.30	598.15	44.1	46.2	45.8	12.85	13.08	13.06
Paper Mills	573.33	622.04	616.25	43.9	46.7	46.3	13.06	13.32	13.31
Wholesale Trade	456.67	452.62	412.44	42.6	42.7	42.0	10.72	10.60	9.82
Retail Trade[h]	167.08	166.38	159.71	27.3	27.5	27.3	6.12	6.05	5.85

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [h]Money payments only; tips not included.
[i]Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Lima MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	78.1	78.4	76.1	-.3	2.0
Employment	70.9	73.0	70.6	-2.1	.3
Unemployment	7.2	5.4	5.5	1.8	1.7
Unemployment Rate	9.2	6.9	7.2		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Lima MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	From Last Month	From Last Year
Total	72.3	71.5	70.2	.8	2.1
Goods-Producing Industries	26.2	25.6	25.2	.5	1.0
Construction and Mining	2.8	2.9	2.7	-.1	0
Manufacturing	23.4	22.7	22.4	.7	.9
Durable Goods	17.2	16.5	16.7	.7	.5
Fabricated Metal Products	2.7	2.7	2.4	-.1	.2
Industrial Machinery and Equipment	4.2	4.2	3.8	0	.5
Transportation Equipment	7.4	6.7	7.6	.7	-.2
Motor Vehicles and Equipment	3.6	2.9	3.8	.7	-.2
Nondurable Goods	6.2	6.3	5.8	-.1	.4
Food and Kindred Products	1.8	1.8	1.7	0	.1
Rubber and Miscellaneous Plastics Products	2.1	2.1	1.9	-.1	.2
Service-Producing Industries	46.1	45.9	45.0	.2	1.1
Transportation and Public Utilities	3.1	3.0	2.8	0	.2
Wholesale Trade	3.4	3.4	3.4	0	.1
Retail Trade	13.9	14.0	13.1	-.1	.8
General Merchandise Stores	2.1	2.2	1.9	-.1	.3
Finance, Insurance, and Real Estate	2.1	2.1	2.1	0	0
Services	14.3	14.1	14.2	.1	.1
Health Services	6.5	6.5	6.2	0	.3
Hospitals	3.1	3.1	3.1	0	.1
Government	9.5	9.3	9.4	.2	0
Local Government	7.1	6.9	7.1	.2	0
Local Government Education	4.3	4.2	4.2	.1	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Lima MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]
Manufacturing	$559.26	$543.51	$550.39	42.4	42.1	42.6	$13.19	$12.91	$12.92
Durable Goods	550.71	537.20	549.54	42.2	42.1	42.6	13.05	12.76	12.90
Fabricated Metal Products	373.69	365.92	366.61	41.8	41.3	41.1	8.94	8.86	8.92
Industrial Machinery and Equipment	461.62	466.99	473.20	40.6	41.0	42.1	11.37	11.39	11.24
Transportation Equipment	696.38	668.13	657.48	43.2	42.1	42.5	16.12	15.87	15.47
Motor Vehicles and Equipment	780.23	737.86	737.68	45.1	43.2	44.6	17.30	17.08	16.54
Nondurable Goods	584.87	562.95	552.93	43.1	42.2	42.5	13.57	13.34	13.01
Food and Kindred Products	384.46	378.82	359.90	40.9	40.3	39.9	9.40	9.40	9.02
Rubber and Miscellaneous Plastics Products	618.16	572.76	588.62	46.2	44.4	45.7	13.38	12.90	12.88
Wholesale Trade	374.23	367.87	364.17	38.7	38.4	38.7	9.67	9.58	9.41
Retail Trade[h]	183.87	188.78	160.72	29.8	30.4	28.0	6.17	6.21	5.74
General Merchandise Stores	164.38	169.46	151.29	26.3	27.2	24.6	6.25	6.23	6.15

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [h]Money payments only; tips not included.
[i]Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	115.5	115.9	120.3	-.4	-4.8
Employment	101.4	106.5	109.4	-5.1	-8.0
Unemployment	14.1	9.4	10.9	4.7	3.2
Unemployment Rate	12.2	8.1	9.0		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	From Last Month	From Last Year
Total	90.9	85.2	90.8	5.6	.1
Goods–Producing Industries	31.5	26.2	32.0	5.3	-.5
Construction and Mining	3.4	3.5	3.2	-.1	.2
Manufacturing	28.1	22.7	28.8	5.4	-.7
Durable Goods	23.6	18.1	24.3	5.4	-.7
Primary Metal Industries	4.2	4.2	4.5	-.1	-.3
Fabricated Metal Products	4.4	4.3	4.1	.1	.3
Tansportation Equipment	7.7	2.3	8.3	5.5	-.6
Nondurable Goods	4.5	4.6	4.6	-.1	.0
Service–Producing Industries	59.4	59.0	58.8	.4	.6
Transportation and Public Utilities	3.4	3.4	3.1	.0	.3
Wholesale Trade	2.3	2.3	2.5	.0	-.1
Retail Trade	16.4	16.4	15.9	.0	.5
Finance, Insurance, and Real Estate	3.2	3.2	3.0	.0	.2
Services	20.4	20.3	20.4	.2	.0
Health Services	8.5	8.5	8.3	.0	.2
Hospitals	4.1	4.1	4.0	.0	.1
Government	13.6	13.3	13.8	.2	-.2
Local Government	11.6	11.3	12.0	.2	-.4
Local Government Education	7.9	7.7	7.7	.2	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1990[e]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[e]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[e]	Jan. 1990[c]	Feb. 1989[c]
Manufacturing	$562.28	$509.92	$622.44	42.5	42.6	45.6	$13.23	$11.97	$13.65
Durable Goods	588.07	537.79	659.86	42.8	43.3	46.6	13.74	12.42	14.16
Primary Metal Industries	614.60	611.89	606.73	43.9	43.8	43.4	14.00	13.97	13.98
Fabricated Metal Products	425.57	438.12	463.31	42.9	43.9	46.1	9.92	9.98	10.05
Transportation Equipment	729.93	803.25	844.90	43.5	45.9	49.7	16.78	17.50	17.00
Nondurable Goods	416.34	397.40	390.85	41.1	39.7	39.4	10.13	10.01	9.92
Wholesale Trade	368.06	359.48	352.64	38.3	38.0	38.0	9.61	9.46	9.28
Retail Trade[h]	156.49	155.74	164.39	25.2	25.2	26.6	6.21	6.18	6.18

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [h]Money payments only; tips not included.
[l]Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Mansfield MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	66.9	65.3	66.5	1.6	.4
Employment	60.7	60.7	61.6	.0	-.9
Unemployment	6.2	4.6	4.9	1.6	1.3
Unemployment Rate	9.3	7.1	7.4		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Mansfield MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	From Last Month	From Last Year
Total	59.2	58.5	59.2	.7	.0
Goods–Producing Industries	20.5	20.2	21.1	.3	-.5
Construction and Mining	1.8	1.8	1.8	-.1	.0
Manufacturing	18.8	18.4	19.3	.4	-.5
Durable Goods	16.7	16.3	17.3	.4	-.5
Fabricated Metal Products	5.6	5.1	5.9	.5	-.3
Electronic and Other Electric Equipment	3.4	3.3	3.3	.1	.1
Nondurable Goods	2.1	2.0	2.0	.0	.0
Service–Producing Industries	38.6	38.3	38.1	.3	.5
Transportation and Public Utilities	2.9	2.9	2.8	.0	.0
Wholesale Trade	2.2	2.2	2.2	-.1	-.1
Retail Trade	11.5	11.5	10.8	.0	.7
Finance, Insurance, and Real Estate	2.4	2.4	2.4	.0	-.1
Services	12.2	12.1	12.4	.1	-.2
Health Services	4.3	4.3	4.2	0	.1
Government	7.5	7.2	7.4	.3	.1
Local Government	5.8	5.5	5.7	.3	.1
Local Government Education	4.0	3.7	4.0	.3	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Mansfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]
Manufacturing	$523.50	$523.58	$563.33	40.3	40.4	43.3	$12.99	$12.96	$13.01
Durable Goods	536.90	539.35	590.30	39.8	40.1	43.5	13.49	13.45	13.57
Fabricated Metal Products	633.29	607.91	767.79	38.9	37.0	44.9	16.28	16.43	17.10
Electronic and Other Electric Equipment	434.96	461.92	471.54	40.2	42.3	43.5	10.82	10.92	10.84
Nondurable Goods	399.15	377.14	335.16	45.0	43.3	42.0	8.87	8.71	7.98
Wholesale Trade	337.55	335.47	321.16	39.9	39.7	39.6	8.46	8.45	8.11
Retail Trade[h]	160.51	161.99	156.24	26.4	26.6	26.8	6.08	6.09	5.83

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [h]Money payments only; tips not included. [l]Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	55.9	56.9	55.6	-1.0	.3
Employment	52.0	53.1	51.8	-1.1	.2
Unemployment	3.9	3.8	3.8	.1	.1
Unemployment Rate	7.0	6.6	6.8		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	From Last Month	From Last Year
Total	52.1	51.6	50.4	.5	1.7
Goods–Producing Industries	19.9	19.7	19.8	.2	.1
Mining	.9	.9	.9	.0	.0
Construction	1.3	1.3	1.1	.0	.2
Manufacturing	17.7	17.5	17.8	.2	-.1
Durable Goods	16.2	15.9	16.2	.2	.0
Primary Metal Industries	12.8	12.6	12.8	.1	.0
Nondurable Goods	1.5	1.5	1.6	.0	-.1
Service–Producing Industries	32.2	31.9	30.6	.3	1.6
Transportation and Public Utilities	3.3	3.3	3.2	.0	.1
Wholesale Trade	1.3	1.3	1.3	.0	.0
Retail Trade	9.2	9.3	8.7	-.1	.5
General Merchandise Stores	1.8	1.8	1.5	.0	.2
Finance, Insurance, and Real Estate	1.7	1.7	1.7	.0	.0
Services	10.4	10.2	9.6	.2	.8
Health Services	4.5	4.5	4.4	.0	.1
Hospitals	2.4	2.4	2.4	.0	.0
Government	6.3	6.1	6.1	.2	.1
Local Government	5.5	5.3	5.3	.2	.1
Local Government Education	3.5	3.4	3.4	.1	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]
Manufacturing	$499.27	$496.93	$464.13	42.6	42.4	40.5	$11.72	$11.72	$11.46
Durable Goods	520.13	520.03	490.81	43.2	43.3	41.7	12.04	12.01	11.77
Primary Metal Industries	552.57	553.38	517.65	44.1	44.2	42.5	12.53	12.52	12.18
Nondurable Goods	221.20	189.10	144.95	35.0	31.0	25.7	6.32	6.10	5.64
Wholesale Trade	363.29	358.43	330.24	40.5	40.5	38.4	8.97	8.85	8.60
Retail Trade[h]	158.44	157.41	160.68	26.9	27.0	27.8	5.89	5.83	5.78

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [h]Money payments only; tips not included. [l]Depressed due to labor-management disputes.

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence. Civilian labor force data for the metropolitan areas is not available for the current month.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1987) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 12,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	42	.2
Goods–Producing Industries	51	.4
Mining	52	1.4
Construction	19	1.4
Manufacturing	57	.4
Service–Producing Industries	38	.2
Transportation and Public Utilities	45	.3
Wholesale Trade	22	.3
Retail Trade	21	.4
Finance, Insurance, and Real Estate	43	.3
Services	34	.3
Government	71	.3

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than .2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1989 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, selected Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

	Ohio		
	February 1990	January 1990	February 1989
New Applicants	32,318	37,843	39,842
Active File of Job Seekers	198,574	189,046	269,508
Counseling Interviews	809	970	999
Tests Administered	1,557	1,527	1,866
General Aptitude Tests	208	259	76
Proficiency Tests	234	175	335
Specific Aptitude Tests	319	288	346
Referrals to Jobs	17,247	17,963	24,630
Placements	2,326	2,831	4,366
Job Openings Received	6,849	7,803	9,402
Job Openings Unfilled	15,272	14,212	19,148

Selected Unemployment Insurance Activities

	Ohio		
	February 1990	January 1990	February 1989
Initial Claims	73,917	126,036	46,056
Continued Claims	560,333	680,630	455,561
First Payments	37,718	60,348	31,347
Last Payments	4,998	5,988	4,827
Average Weekly Claimants	139,243	141,989	115,892
Average Weekly Benefit Recipients	122,943	113,623	102,045
Weeks Compensated	500,176	505,632	409,745
Benefits Paid	$84,308,058	$83,571,684	$64,091,210
Average Weekly Payment	$175.31	$173.38	$161.04
Continued Claims for Survey Week	131,758	163,156	117,635
Insured Unemployment Rate	3.1	3.1	2.6
Net Contributions	$54,816,776	$21,630,811	$68,231,924
Active Employer Accounts	206,606	206,158	202,136

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Labor Market Review

This periodical is published monthly by the Ohio Bureau of Employment Services in cooperation with the U.S. Department of Labor. For further information contact Jim Hemmerly, Acting Director, Labor Market Information Division at (614) 644-2689.

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